

Install Guide for mInventory 2505

Connected Worker Solutions



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Install Guide for mInventory, a Mobile Inventory Management Solution of *Connected Workforce Platform*[™]

Product Version: 2505

Release Date: 07 May 2025

Published Date: 07 May 2025

Document Version: 1.0

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Preface

Understand audience, know related documents and products and conventions followed in this document.

Audience

This guide is for technical configurators who Install and do related configurations for mInventory, a Mobile Inventory Management Solution of *Connected Workforce Platform*[™].

Document Conventions

Table 0-1 Conventions followed in the document

Convention	Meaning
boldface	Indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Indicates book titles, emphasis, or placeholder variables for which you supply values.
<code>monospace</code>	Indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter

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1. Install Supporting Systems

Install the following supporting systems as part of the pre-installation requirements.

Table 1-1 Prerequisites

Software	• BTP (SAP Business Technology Platform) • SAP Cloud Connector latest version • SAP NetWeaver Gateway 7.4 and above with SAP_GWFND 740 component (SP 13 and above) • Reverse proxy (SAP Web Dispatcher, Apache, Junos Pulse, NetScaler proxy servers are recommended. Others need to be evaluated.) • SAP_UI 740 SP13 and above or SAP_UI 750 SP01 and above • SPAM Version 69 and above (only for Add-Ons.)
SAP Business Suite	• ECC 6.0 EHP 5 with SAP_BASIS 702 and above (recommended) • Lower versions are compatible (requires evaluation) • SAP S/4HANA Business Suite 1909, 2021, 2022 and 2023 (lower versions requires evaluation)
Compatible Security Authentication Mechanism	• SSO2 between BTP and NetWeaver Gateway • Active Directory SSO • SAML 2.0 Authentication

Table 1-1 Prerequisites (continued)

Access	• Sap Basis & security access is required as per the access sheet provided (minimum display access).
Assumptions	Access to the RACE™ portal provided with required roles assigned.

2. Install mInventory

Once you complete all pre-installation requirements, proceed with the mInventory installation. The following flow gives you an overview of the installation process.

The sections in the following table guide you with the mInventory installation process:

Table 2-1 References

Task	Reference to section
Install RACE™ Add-ons in SAP® S/4HANA or Hub Systems (ECC & Gateway)	Install RACE™ Add-ons in SAP® S/4HANA or Hub Systems (ECC & Gateway) (on page 10)
Install mInventory Add Ons in SAP S/4HANA or Hub Systems (ECC & Gateway)	Install mInventory Add Ons in SAP S/4HANA or Hub Systems (ECC & Gateway) (on page 13)
Import RACE™ and mInventory SAP® ECC and Gateway Transports in Target SAP Environments	Import RACE™ and mInventory SAP® ECC and Gateway Transports in Target SAP Environments (on page)
Activate OData, UI5, and FIORI Services	• Activate RACE™ and mInventory OData Services (on page 19) • Activate UI5 Service (on page 21) • Activate FIORI Service (on page 22)

2.1. Install Add Ons

Add-On/Transports: Install the add-on or transports for the current release that is provided by Innovapptive representative.

Please follow the SAP standard process to install add ons. For more information, see https://help.sap.com/doc/saphelp_gbt10/1.0/en-US/18/e08d38dfc44765e10000009b38f842/content.htm?no_cache=true

**Note:**

Ask your Innovapptive contact for the latest add-ons and support-packs and these components will be provided in a compressed file format, such as .zip, .rar, and sent to you either through email or through FTP.

2.2. Install RACE™ Add-ons in SAP® S/4HANA or Hub Systems (ECC & Gateway)

Table 2-2 RACE™ ECC Add-On and Support Packages (applicable for both S/4 HANA and Hub)

Type	Add-On	Description	Dependency
Add-On	EZY0021310268_ - 0000004.PAT	INNOV:RACE™:2208 SP02 ECC Objects	None
SP01	EZY0021310268_ - 0000006.PAT	Innov RACE 2208 SP02 HF01 ECC Objects	Dependency
SP21	EZY0021310268_ - 0000053.PAT	Innov RACE 2208 SP02 HF03-HF25 ECC Ob- jects	Dependency
SP31	EZY0021310268_ - 0000078.PAT	Innov RACE 2208 SP02 HF26-HF35 ECC Ob- jects	Dependency
SP42	EZY0021310268_ - 0000104.PAT	Innov RACE 2208 SP02 HF36-HF46 ECC Ob- jects	Dependency
SP43	EZY0021310268_ - 0000118.PAT	Innov RACE 2208 SP02 HF47.1 ECC Objects	Dependency
SP44	EZY0021310268_ - 0000119.PAT	Innov RACE 2208 SP02 HF48 ECC Objects	Dependency
SP45	EZY0021310268_ - 0000121.PAT	Innov RACE 2208 SP02 HF49 ECC Objects	Dependency
SP46	EZY0021310268_ - 0000126.PAT	Innov RACE 2208 SP02 HF50 ECC Objects	Dependency

Table 2-2 RACE™ ECC Add-On and Support Packages (applicable for both S/4 HANA and Hub) (continued)

Type	Add-On	Description	Dependency
SP47	EZY0021310268_- 0000131.PAT	Innov RACE 2501.1 ECC Objects	Dependency
SP48	EZY0021310268_- 0000140.PAT	Innov RACE 2502.1 ECC Objects	Dependency
SP49	EZY0021310268_- 0000144.PAT	Innov RACE 2502.3 ECC Objects	Dependency
SP50	EZY0021310268_- 0000151.PAT	Innov RACE 2503.3 ECC Objects	Dependency
SP51	EZY0021310268_- 0000153.PAT	Innov RACE 2504.01 ECC Objects	Dependency

Table 2-3 RACE™ Gateway Add-On and Support Packages (applicable for both S/4 HANA and Hub)

Type	Add-On	Description	Dependency
Add-On	NZY0021310268_- 0000006.PAT	INNOV:RACE™:2208 SP02 Gateway Ob- jects	None
SP01	NZY0021310268_- 0000008.PAT	Innov RACE 2208 SP01 UI5 Application	Install RACE™ Add- On NZY0021310268_- 0000006.PAT before importing SP01
SP39	NZY0021310268_- 0000113.PAT	RACE 2208 SP02 GW Addon(HF03 - HF25)	Install RACE™ Add- On NZY0021310268_- 0000008.PAT before importing SP01
SP58	NZY0021310268_- 0000148.PAT	RACE 2208 SP02 GW Addon (HF26 - HF35.1)	Dependency
SP59	NZY0021310268_- 0000149.PAT	RACE 2208 SP02 UI5 (HF26 - HF35)	Dependency

Table 2-3 RACE™ Gateway Add-On and Support Packages (applicable for both S/4 HANA and Hub) (continued)

Type	Add-On	Description	Dependency
SP60	NZY0021310268_- 0000150.PAT	RACE 2208 SP02 Fiori (HF26 - HF35)	Dependency
SP61	NZY0021310268_- 0000152.PAT	RACE 2208 SP02 HF36 GW Objects	Dependency
SP62	NZY0021310268_- 0000154.PAT	RACE 2208 SP02 UI5 (HF03 - HF35)	Dependency
SP63	NZY0021310268_- 0000155.PAT	RACE 2208 SP02 Fiori (HF00 - HF35)	Dependency
SP74	NZY0021310268_- 0000179.PAT	RACE 2208 SP02 GW Addon (HF36 - HF46)	Dependency
SP75	NZY0021310268_- 0000182.PAT	RACE 2208 SP02 Fiori (HF36 - HF46)	Dependency
SP76	NZY0021310268_- 0000183.PAT	RACE 2208 SP02 HF47 GW Objects	Dependency
SP77	NZY0021310268_- 0000184.PAT	RACE 2208 SP02 HF48 GW Objects	Dependency
SP78	NZY0021310268_- 0000186.PAT	RACE 2208 SP02 HF49 GW Objects	Dependency
SP79	NZY0021310268_- 0000191.PAT	RACE 2208 SP02 HF50 GW Objects	Dependency
SP80	NZY0021310268_- 0000194.PAT	RACE 2208 SP02 2501.1 GW Objects	Dependency
SP81	NZY0021310268_- 0000195.PAT	RACE 2208 SP02 2501.1 Fiori Objects	Dependency
SP82	NZY0021310268_- 0000197.PAT	RACE 2208 SP02 2501.2 Fiori Objects	Dependency
SP83	NZY0021310268_- 0000200.PAT	RACE 2208 SP02 2501.3 GW Objects	Dependency

Table 2-3 RACE™ Gateway Add-On and Support Packages (applicable for both S/4 HANA and Hub) (continued)

Type	Add-On	Description	Dependency
SP84	NZY0021310268_- 0000202.PAT	RACE 2208 SP02 2501.4 GW Objects	Dependency
SP85	NZY0021310268_- 0000215.PAT	Innov RACE 2208 SP02 2503.3 GW Objects	Dependency
SP86	NZY0021310268_- 0000218.PAT	Innov RACE 2208 SP02 2504.01 GW Objects	Dependency

2.3. Install mInventory Add Ons in SAP S/4HANA or Hub Systems (ECC & Gateway)

Table 2-4 MIM ECC Add-On and Support Packages (applicable only for Hub (Gateway System))

Type	Add-On	Description	Dependency
Add-On	EZY0021310268_- 0000099.PAT	INNOV:MIM:2410 ECC Objects	Install RACE™ Add-On (EZY0021310268_-0000004.PAT) before installing the MIM Add-On (EZY0021310268_-0000099.PAT)
Add-On	EZY0021310268_- 00000115.PAT	INNOV:MIM:2411.1 ECC Objects	Install Add-on (EZY0021310268_-0000099.PAT) before installing the MIM Add-On (EZY0021310268_-00000115.PAT)
SP01	EZY0021310268_- 00000123.PAT	MIM 2412.1 ECC Add-on	Dependency
SP02	EZY0021310268_- 00000125.PAT	MIM 2412.2 ECC Add-on	Dependency

Table 2-4 MIM ECC Add-On and Support Packages (applicable only for Hub (Gateway System)) (continued)

Type	Add-On	Description	Dependency
SP03	EZY0021310268_-00000130.PAT	MIM 2501.1 ECC Add-on	Dependency
SP04	EZY0021310268_-00000133.PAT	Innov MIM 2501.2 ECC Objects	Dependency
SP05	EZY0021310268_-00000138.PAT	Innov MIM 2501.3 ECC Objects	Dependency
SP06	EZY0021310268_-00000142.PAT	MIM 2502.01 ECC Add-on	Dependency
SP07	EZY0021310268_-00000143.PAT	MIM 2502.02 ECC Add-on	Dependency
SP08	EZY0021310268_-00000147.PAT	MIM 2503.1 ECC Add-on	Dependency
SP09	EZY0021310268_-00000149.PAT	MIM 2503.2 ECC Add-on	Dependency
SP10	EZY0021310268_-00000155.PAT	MIM 2504.2 ECC Add-on	Dependency

Table 2-5 MIM Gateway Add-On and Support Packages (applicable only for Hub (Gateway System))

Type	Add-On	Description	Dependency
Add-on	NZY0021310268_-0000174.PAT	INNOV:MIM:2410 Gateway Objects	Install RACE™ Add-On (NZY0021310268_-00000006.PAT) before installing the MIM Add-On (NZY0021310268_-0000174.PAT)

Table 2-5 MIM Gateway Add-On and Support Packages (applicable only for Hub (Gateway System)) (continued)

Type	Add-On	Description	Dependency
Add-on	NZY0021310268_-0000181.PAT	MIM 2411 GW Addon	Install Add-On (NZY0021310268_-0000174.PAT) before installing the MIM Add-On (NZY0021310268_-0000181.PAT)
SP01	NZY0021310268_-0000188.PAT	MIM 2412.1 ECC Add-on	Dependency
SP02	NZY0021310268_-0000190.PAT	MIM 2412.2 ECC Add-on	Dependency
SP03	NZY0021310268_-0000193.PAT	MIM 2501.1 ECC Add-on	Dependency
SP04	NZY0021310268_-0000198.PAT	Innov MIM 2501.2 ECC Objects	Dependency
SP05	NZY0021310268_-0000203.PAT	Innov MIM 2501.3 ECC Objects	Dependency
SP06	NZY0021310268_-0000205.PAT	MIM 2502.01 ECC Add-on	Dependency
SP07	NZY0021310268_-0000206.PAT	EZY0021310268_-00000143.PAT	Dependency
SP08	NZY0021310268_-0000209.PAT	MIM 2503.1 GW Add-on	Dependency
SP09	NZY0021310268_-0000214.PAT	MIM 2503.2 GW Add-on	Dependency
SP10	NZY0021310268_-0000220.PAT	MIM 2504.1 GW Add-on	Dependency

Table 2-6 MIM Embedded (S/4HANA) Add-On and Support Packages

Type	Add-On	Description	Dependency
Add-on	MZY0021310268_- 0000136.PAT	INNOV: MIM 2411 EMB Addon	Install RACE™ Add-On (EZY0021310268_-0000004.PAT) before installing RACE™ Add-On (NZY0021310268_-0000006.PAT) before installing MZY0021310268_-0000136.PAT
Support Pack - SP01	MZY0021310268_- 0000139.PAT	INNOV: MIM 2412.1 EMB Addon	Install MIM 2411 EMB Add-On before installing MZY0021310268_-0000136.PAT

2.3.1. Verify SAP® ECC RACE™ and MIM Add-On

To verify the SAP® ECC RACE™ and MIM add-on:

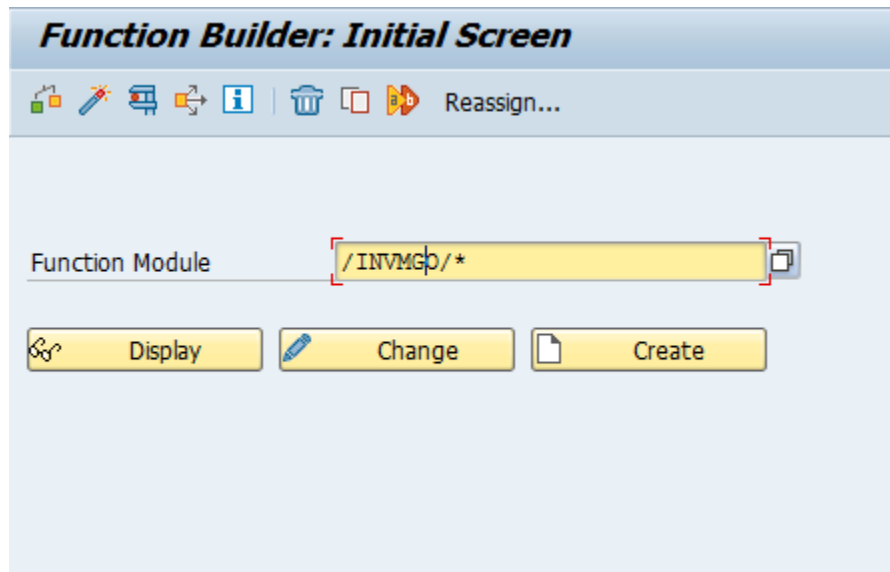
1. Run the transaction code **SE37**.
2. Enter the program name as **/INVMGO/*** in the **Function Module** field.



Note:

Use the program name as **/INVMIM/*** for MIM.

Figure 2-1 Function Builder Initial Screen



3. Press **<F4>** to view the list of classes and capture the screenshot(s) to share the results.

Figure 2-2 Function Module Classes

Function Builder: Initial Screen

Repository Info System: Function Modules Find (22 Hits)

Function group	Function group short text
Function Module Name	Short text for function module
/INVMGO/EXTENSIONS_FG	Extensions
/INVMGO/BAPI_ATTACHMENTS_LIST	List of Attachments
/INVMGO/BAPI_ATTACH_DOWNLOAD	Attachment Download
/INVMGO/BAPI_DYNAMIC_DROPDOWN	Dynamic dropdown
/INVMGO/EXTENSION_STRING_FM	Preparing Extension String.
/INVMGO/FM_CUSTOM_DROPDOWN	Custom drop down
/INVMGO/FM_DYNAMICGET_FM_CALL	Get the transform orders list
/INVMGO/FM_DYNAMICPOST_FM_CALL	Get the transform orders list
/INVMGO/FM_DYNAMIC_MODULE_ADD	Get the transform orders list
/INVMGO/FM_FIELDS_PROCESS	Processing fields and store in final internal table
/INVMGO/FM_FUNCTION_FIELDS	Get the Function Module Parameters List
/INVMGO/FM_GET_FMLIST	Get the Function modules list for app specific
/INVMGO/FM_GET_TABLESLIST	Get the Function modules list for app specific
/INVMGO/GET_PARAMETERID_VALUES	Get Parameter ID vales
/INVMGO/SCOPING_FM	Scoping
/INVMGO/WHERE_CONDITIONS	Where Condition
/INVMGO/GLOBAL_FG	Global FG
/INVMGO/BAPI_EXTENSION	Extension Header
/INVMGO/BAPI_UI_LABELS	UI Labels based on Language
/INVMGO/BAPI_USER_DETAILS	Logon User Details
/INVMGO/FM_CURRENCY_EXCHNG	Currench Exchange Rate
/INVMGO/FM_GET_CUURENCY_FORMAT	Currency Codes format
/INVMGO/FM_GET_DECIMAL_FORMAT	Date Notation Format

2.3.2. Verify SAP® GW RACE™ and MIM Add-On

To verify the SAP® GW RACE™ and MIM add-on:

1. Navigate to the transaction code **SE24**.
2. Enter **object type** to search for all objects **/INVCEC/***.



Note:

Use the object type as **/INVMIM/*** for MIM.

3. Press **<F4>** to view the list of classes and capture the screenshot(s) to share the results.

Figure 2-3 Object Classes

Repository Info System: Class/Interface Find (10 Hits)	
Object Type Name	Short Description
/INVCEC/CL_GW_DP_TRANSPORT	Gateway Data Provider: Interoperability 700
/INVCEC/CL_GW_MP_TRANSPORT	Gateway Model Provider: Interoperability
/INVCEC/CL_RACE_DPC	Data Provider Base Class
/INVCEC/CL_RACE_DPC_EXT	Data Provider Secondary Class
/INVCEC/CL_RACE_MPC	/INVCEC/CL_RACE_MPC
/INVCEC/CL_RACE_MPC_EXT	/INVCEC/CL_RACE_MPC_EXT
/INVCEC/IF_BAPI_ATTACH_DOWNLOAD	/INVCEC/IF_BAPI_ATTACH_DOWNLOAD
/INVCEC/IF_BAPI_ATTACHMENTS_LI	/INVCEC/IF_BAPI_ATTACHMENTS_LI
/INVCEC/IF_FM_CUSTOM_DROPDOWN	/INVCEC/IF_FM_CUSTOM_DROPDOWN
/INVCEC/IF_ZDYNSCREENCONF	/INVCEC/IF_ZDYNSCREENCONF

2.3.3. Activate RACE™ and mInventory OData Services

Once add-on and support packs are installed, activate RACE™ and mInventory OData Services.

To activate the RACE™ OData service:

1. Login to Gateway system.
2. Navigate to the transaction **/IWFND/MAINT_SERVICE**.
3. Select the service **/INVCEC/RACE_SRV**.
4. Click **Activate** from the drop-down list of **ICF Node** options.

A message appears notifying the package selection appears.

Figure 2-4 Activate and Maintain Services

Activate and Maintain Services									
Service Catalog									
Type	Technical Service Name	Service Description	External Service Name	Namespace	OAuth	Soft State	Status	Is SAP Service	
BEP	ZPAGE_BUILDER_CUST	1 Pagebuilder - Customizing level	PAGE_BUILDER_CUST	/UIZ/	✓				
BEP	ZPAGE_BUILDER_PERS	1 Pagebuilder - Personalization level	PAGE_BUILDER_PERS	/UIZ/	✓				
BEP	ZPAGEBUILDER_SERVICE_V_0_1	1 Gateway Data Provider: Pagebuilder v0.1 (DB)	PAGEBUILDER_SERVICE_V_0_1	/UIZ/	✓				
BEP	ZPP_PRODOPS_CONFIRM_SRV	1 Confirm Production Order Operation	PP_PRODOPS_CONFIRM_SRV	/UIZ/	✓				
BEP	ZQUICKVIEW	1 Quickview Service	QUICKVIEW	/UIZ/	✓				
BEP	/INVCEC/RACE_SRV	1 Global Extensions	RACE_SRV	/INVCEC/	✓				
BEP	ZRMTSAMPLEFLIGHT	1 OData Channel - Reference SFlight Data Provider	RMTSAMPLEFLIGHT	/IWFND/	✓				
BEP	ZRMTSAMPLEFLIGHT_2	1 OData Channel - Reference SFlight Data Provider	RMTSAMPLEFLIGHT_2	/IWFND/	✓				
BEP	RSOA_ODATA_SRV	1 Tlogo and Bookmark access via Odata	RSOA_ODATA_SRV	/IWBEP/	✓		Not Supported		
BEP	S_EPM_SADL_GW_DEV_SCEN_RO_SRV	1 EPM: SADL-based GW-Service "NW 2013 Dev. Sce	S_EPM_SADL_GW_DEV_SCEN_RO_SRV		✓				
BEP	ZSAMPLE_EPM_EMPLOYEE_LIST	1 Sample employee list service based on EPM	SAMPLE_EPM_EMPLOYEE_LIST	/UIZ/	✓				
BEP	ZSAMPLE_EPM_POWL_CACHED	1 Sample POWL for APPLID EPM_POWL (customizn)	SAMPLE_EPM_POWL_CACHED	/UIZ/	✓				
BEP	ZSAMPLE_EPM_POWL_CODED	1 Sample POWL for APPLID EPM_POWL (ABAP code)	SAMPLE_EPM_POWL_CODED	/UIZ/	✓				
BEP	ZSAMPLE_EPM_POWL_CUST	1 Sample POWL for APPLID EPM_POWL (customizn)	SAMPLE_EPM_POWL_CUST	/UIZ/	✓				
BEP	ZSAMPLE_POWL_SLIGHT_ALL	1 Sample flight service based on POWL framework	SAMPLE_POWL_SLIGHT_ALL	/UIZ/	✓				

ICF Node
Call Browser
SAP Gateway Client

Add System Alias
Remove System Alias
Customizing
Service Implementation

System Aliases

5. Click the **Local Object** button and continue to activate the service.

The OData service is activated and the status turns **green**.

Figure 2-5 Service Status

Activate and Maintain Services									
Service Catalog									
Type	Technical Service Name	Service Description	External Service Name	Namespace	OAuth	Soft State	Status	Is SAP Service	
BEP	ZPAGEBUILDER_SERVICE_V_0_1	1 Gateway Data Provider: Pagebuilder v0.1 (DB)	PAGEBUILDER_SERVICE_V_0_1	/UIZ/	✓				
BEP	ZPP_PRODOPS_CONFIRM_SRV	1 Confirm Production Order Operation	PP_PRODOPS_CONFIRM_SRV	/UIZ/	✓				
BEP	ZQUICKVIEW	1 Quickview Service	QUICKVIEW	/UIZ/	✓				
BEP	/INVCEC/RACE_SRV	1 Global Extensions	RACE_SRV	/INVCEC/	✓				
BEP	ZRMTSAMPLEFLIGHT	1 OData Channel - Reference SFlight Data Provider	RMTSAMPLEFLIGHT	/IWFND/	✓				
BEP	ZRMTSAMPLEFLIGHT_2	1 OData Channel - Reference SFlight Data Provider	RMTSAMPLEFLIGHT_2	/IWFND/	✓				
BEP	RSOA_ODATA_SRV	1 Tlogo and Bookmark access via Odata	RSOA_ODATA_SRV	/IWBEP/	✓		Not Supported		
BEP	S_EPM_SADL_GW_DEV_SCEN_RO_SRV	1 EPM: SADL-based GW-Service "NW 2013 Dev. Sce	S_EPM_SADL_GW_DEV_SCEN_RO_SRV		✓				
BEP	ZSAMPLE_EPM_EMPLOYEE_LIST	1 Sample employee list service based on EPM	SAMPLE_EPM_EMPLOYEE_LIST	/UIZ/	✓				
BEP	ZSAMPLE_EPM_POWL_CACHED	1 Sample POWL for APPLID EPM_POWL (customizn)	SAMPLE_EPM_POWL_CACHED	/UIZ/	✓				
BEP	ZSAMPLE_EPM_POWL_CODED	1 Sample POWL for APPLID EPM_POWL (ABAP code)	SAMPLE_EPM_POWL_CODED	/UIZ/	✓				
BEP	ZSAMPLE_EPM_POWL_CUST	1 Sample POWL for APPLID EPM_POWL (customizn)	SAMPLE_EPM_POWL_CUST	/UIZ/	✓				
BEP	ZSAMPLE_POWL_SLIGHT_ALL	1 Sample flight service based on POWL framework	SAMPLE_POWL_SLIGHT_ALL	/UIZ/	✓				
BEP	SEPM_HANA_EXT_PAL_ODATA_SRV	1 SEPM_HANA_EXT_PAL_ODATA	SEPM_HANA_EXT_PAL_ODATA_SRV		✓		Not Supported		
BEP	ZSM_CATALOG_SRV	1 Social Media Remote Catalog OData Service	SM_CATALOG_SRV		✓				

ICF Node
Call Browser
SAP Gateway Client

Add System Alias
Remove System Alias
Customizing
Service Implementation

ICF Nodes

System Aliases

6. Click **Add System Alias** above **System Aliases** on the right to add the SAP System alias for the selected service.

7. Click **New Entries**.

Figure 2-6 New Entries for System Alias

Service Doc. Identifier	User Role	Host Name	SAP System Alias	Default System	Metadata Default

8. Assign the System Alias (ERD in this case) for the service and save changes.

Figure 2-7 Assign SAP System Alias to Service

Service Doc. Identifier	User Role	Host Name	SAP System Alias	Default System	Metadata Default	Tech. Svc. Name	Ext. Service Name
/INVC/EC/RACE_SRV_0001		ERD		☒	☒	/INVC/EC/RACE_SRV	RACE_SRV

9. To activate below mInventory services, follow the above steps (1-8):

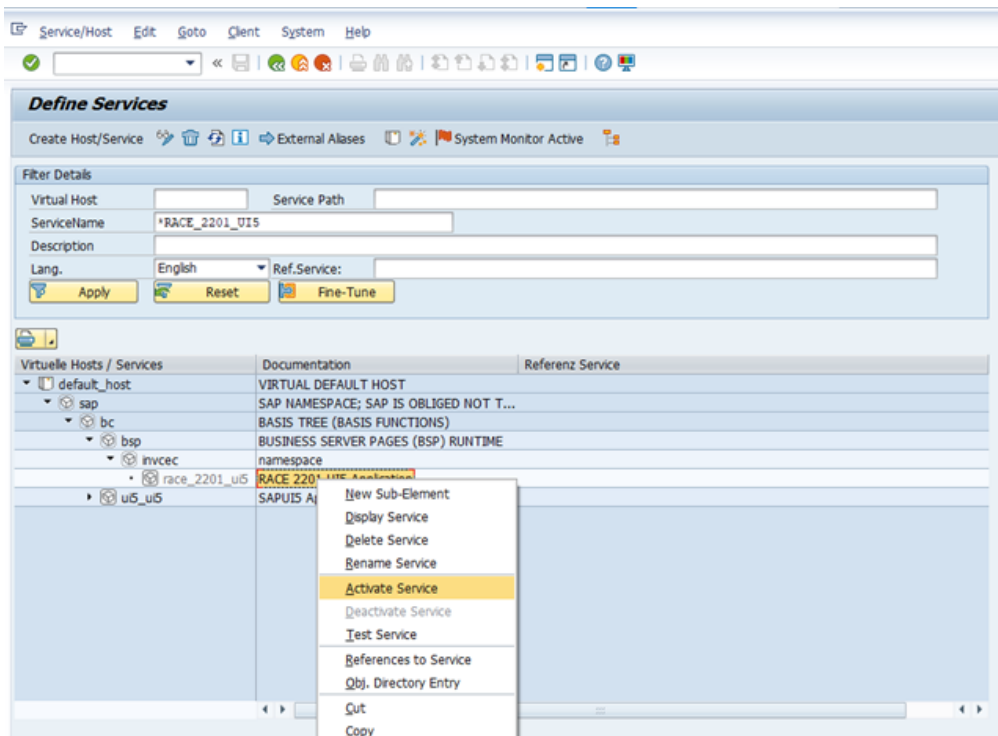
2.3.4. Activate UI5 Service

Activate UI5 Service once you have activated RACE™ and mInventory OData Services.

To activate UI5 Service:

1. Go to the transaction code SICF and navigate to **/default_host/sap/bc/ui5_ui5/ invcec/ race2208sp02ui5**.
2. Right-click **RACE 2208 SP02 UI5** and click **Activate Service**.

Figure 2-8 Activate RACE BSP Service



3. Click **Yes**.

Access the SAPUI5 web application by replacing the **host name**, **port number** and **client number** in the following template's URLs to match your SAP NetWeaver Gateway instance:

- `http://<hostname>:<port_number>/sap/bc/ui5_ui5/invcec/race2208sp02ui5/index.html?sap-client=100`.



Note:

To activate the mInventory UI5 service, follow the above steps (1-3).

2.3.5. Activate FIORI Service

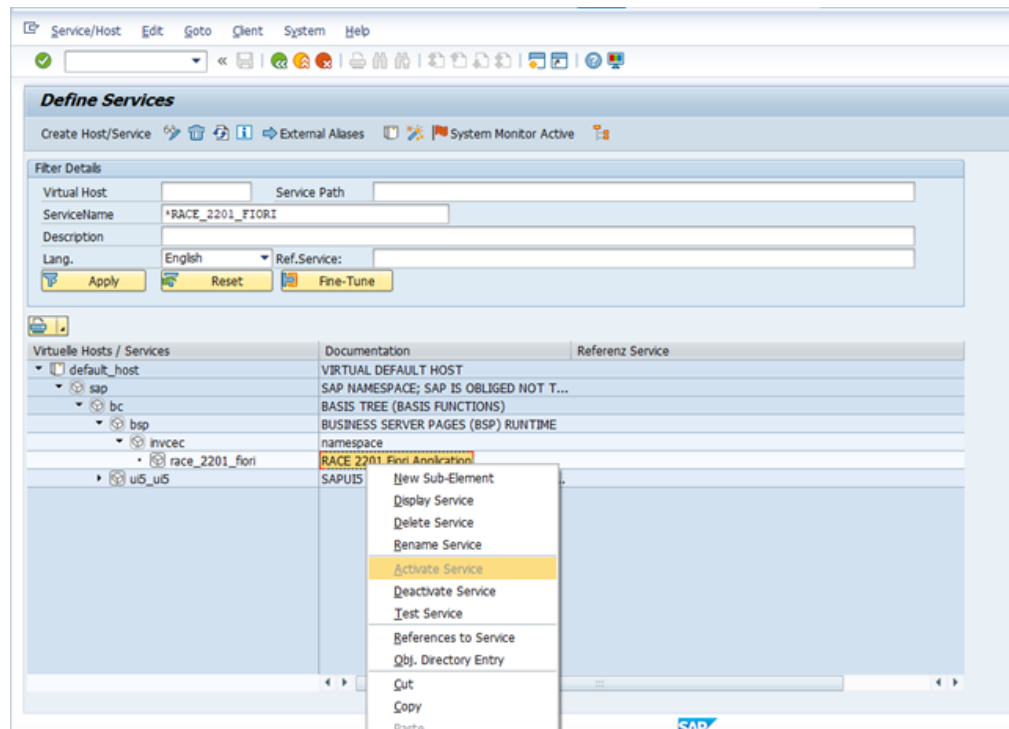
Activate FIORI service after you have activated UI5 service.

To activate FIORI Service:

| 2 - Install mInventory

1. Go to the transaction code SICF and navigate to **/default_host/sap/bc/ui5_ui5/invcec/race08sp02fiori**.
2. Right-click **RACE 2201 FIORI** and click **Activate Service**.

Figure 2-9 Activate RACE FIORI Service

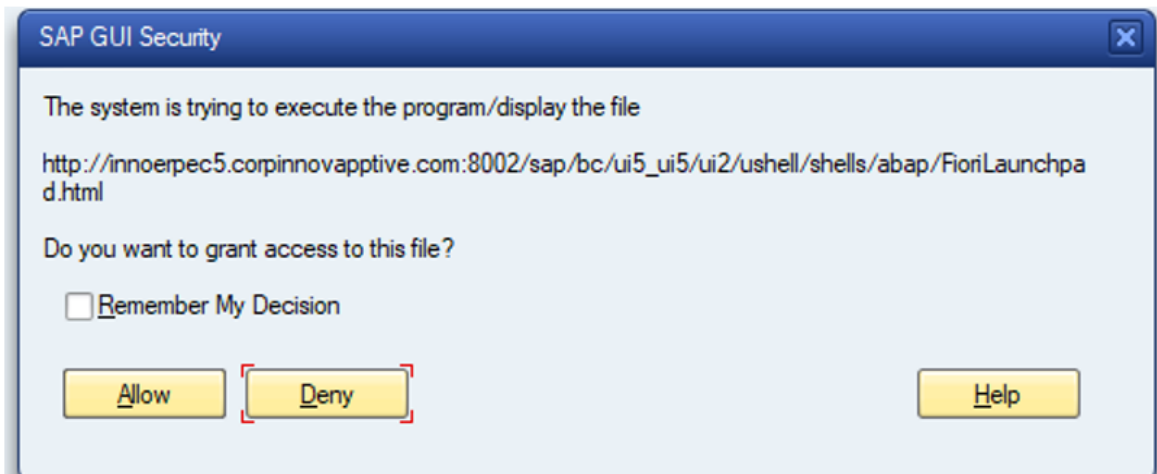


3. Click **Yes**.

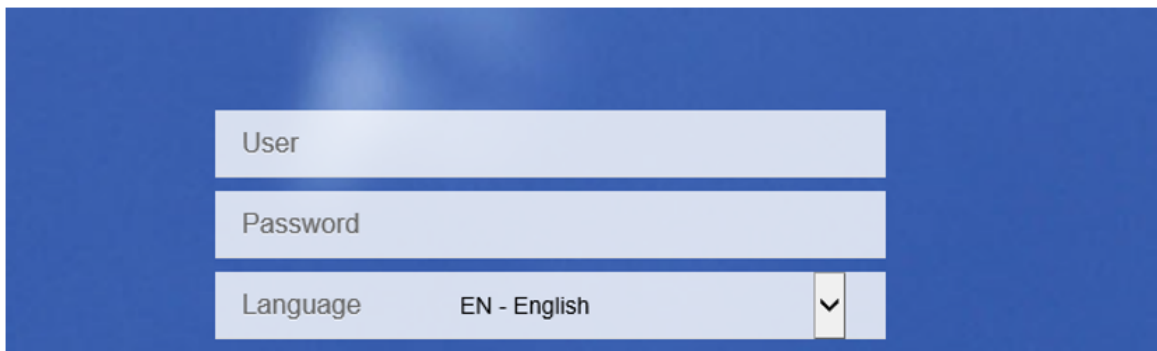
Access the SAP Fiori web application by transaction code **/N/UI2/FLP**. You are redirected to the below template URLs to match your SAP NetWeaver Gateway instance:

- `http://<hostname>:<port_number>/sap/bc/ui5_ui5/invcec/race08sp02fiori/index.html?sap-client=100`

4. Click **Allow**.



5. On the login page, provide the credentials to login.

A screenshot of the SAP login page. It has a dark blue background. In the center, there are three light blue input fields. The first field is labeled 'User', the second 'Password', and the third 'Language'. The 'Language' field shows 'EN - English' and has a dropdown arrow on the right.

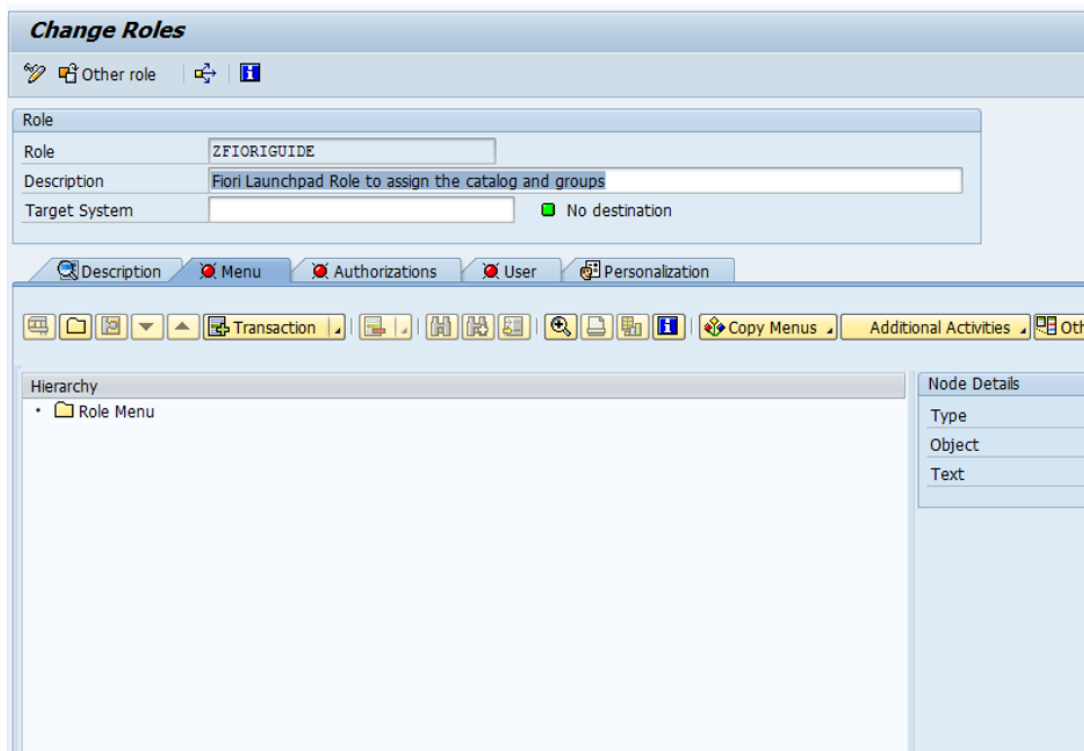
Note:

The logged in user can see only assigned application tiles.

Our team will share Tile & catalog transports along with products add-ons.

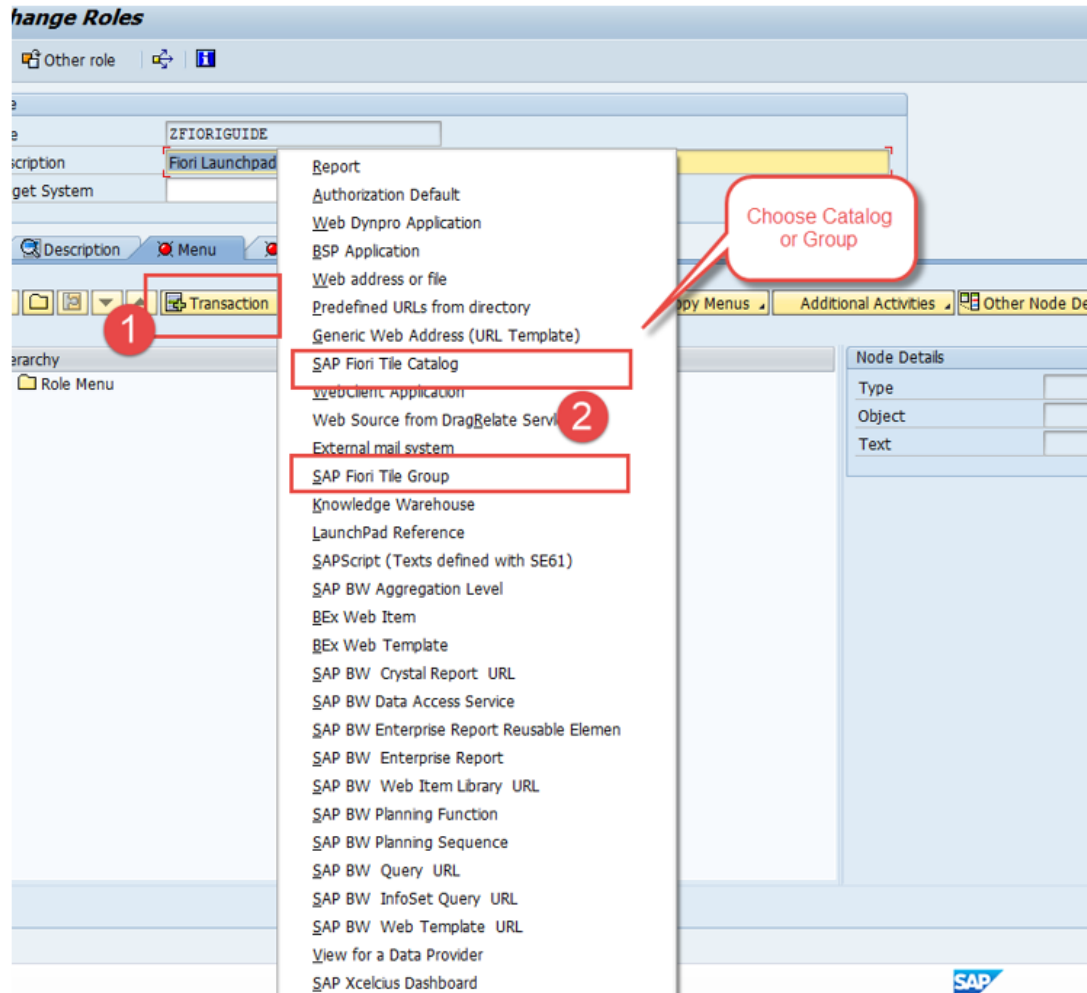
6. The steps to assign the catalog or group to the role are as follows:

a. Log on to Gateway SAP system and call the transaction PFCG.



b. In the Role menu, click on the button with plus symbol and select the option to either add a tile catalog or tile group.

| 2 - Install mInventory



- c. Provide the catalog / group name and submit.
- d. Save the changes to the role.

**Note:**

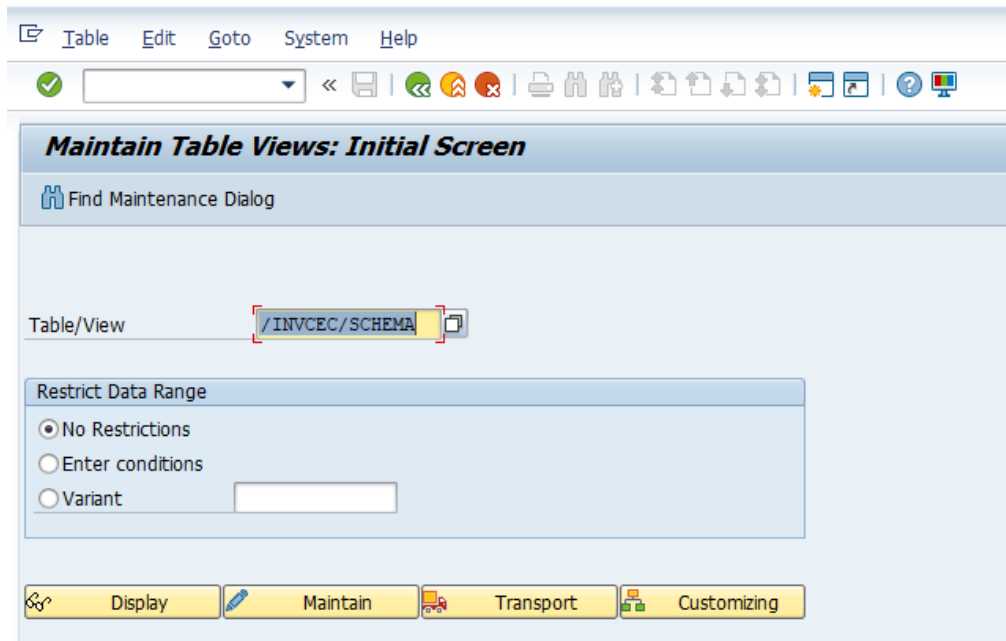
To activate the mInventory FIORI service, follow the above steps (1-5).

3. Check Schema Change Indicator

After importing support packs into the systems, perform the following steps to check the Schema Change Indicator.

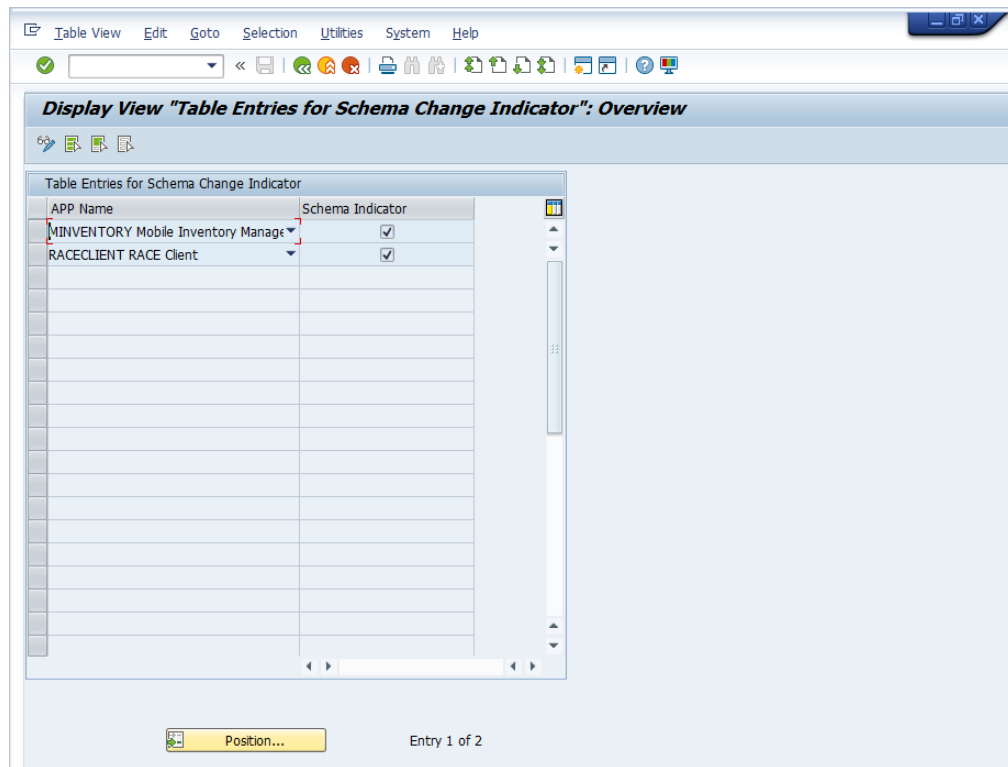
1. Login to SAP Gateway system.
2. Go to **tcode – SM30**.

Figure 3-1 SM30



3. Click **Maintain**.
4. Click **New Entries**.

Figure 3-2 Table Entries for Schema Change Indicator



5. Select RACE™ Client and mInventory from App Name drop-down and select **Schema Indicator** checkbox.
6. Save the changes in Transport Request to move the changes to Quality and Production environment.

Table 3-1 Schema Details

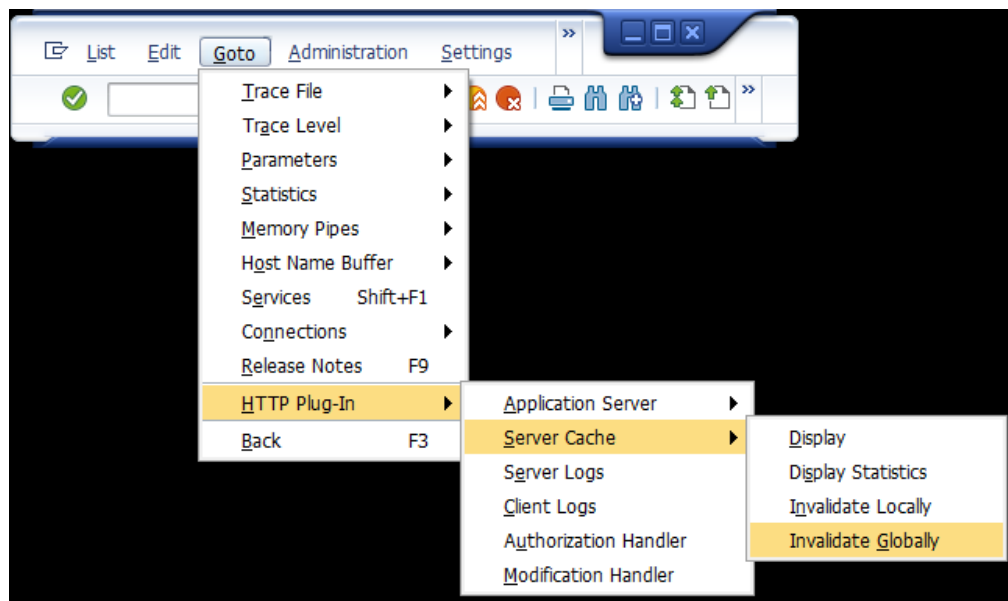
Base URL	Old Schema	New Schema
/INVCEC/RACE_SRV	/INVCEC/RACE_SRV	RACECLIENT
INVMIM/MINVENTORY_2_-SRV/	INVMIM/MINVENTORY_2_-SRV/	MINVENTORY

4. SAP Gateway cache clean up

Clean up the SAP Gateway Cache after importing support packs into the systems.

1. Login to SAP Gateway system.
2. Go to transaction `/n/iwfnd/cache_cleanup` in the gateway system.
3. Select the **Cleanup Cache for all Models** checkbox and click **Execute**.
4. Go to transaction `/n/iwbep/cache_cleanup` in the gateway system.
5. Select the **Cleanup Cache for all Models** checkbox and click **Execute**.
6. Go to transaction `smicm` in the gateway system.
7. Navigate to **Goto, HTTP Plugin, Server Cache** and **Invalidate Globally** option.

Figure 4-1 smicm transaction



8. Click **Yes**.

5. Configure SAP Gateway for mInventory

SAP Material Management (MM) users can use mInventory to do the following:

- Do stock availability checks across plants, storage locations, warehouse storage bins, and so on.
- Receive goods using Purchase Orders, Inbound and Outbound Deliveries, Material Document, and so on.
- Issue goods using Stock Transfer Orders, Outbound Deliveries, and Work Orders.
- Ensure physical inventory cycle counting and adjustments of materials and storage bins.
- Transfer postings across plants, bins, and so on, and transfer order confirmations.
- Manage inbound and outbound transactions, such as picking, packing, and put away.
- Scan Barcodes and QR codes to execute inventory and warehouse transactions.

5.1. Prerequisites for SAP Gateway Configuration

Ensure these components are installed and configured:

- Dependency
 - Innovapptive Add-Ons and Support Packs.
- Assumptions
 - The backend processes required for the app, which shall be enabled, and related data is set up.
 - mInventory Add-on for SAP ECC and SAP NetWeaver Gateway are installed and validated.
 - Mobile platform (SAP Mobile Platform or SAP Cloud Platform mobile services) is configured with the mobile application.

5.2. Map source and destination systems for mInventory

Set up the source and destination systems.

For example, if ECC is your source system and gateway is your destination system, map the IDs of respective systems.

1. Run T-Code `//INVMGO/SYSTEMS`.
2. Add the following entries in the table for mInventory:

Table 5-1 Application global configuration attributes

Field	Description
CLIENT	Client number of SAP system.
SYSTEM ID	System ID name of source SAP system.
SYSTEM NAME	System name of destination SAP system.
DESTINATION	Destination RFC ID.

5.3. Configure stock categories for Stock Overview

Configure Stock categories such as Unrestricted, Blocked, Quality Inspection. Once configured these categories appear in the Stock Overview module of mInventory.

To configure the categories:

1. Enter table `//INVMIM/STOCKTYP` using **SM30** transaction.
2. Add the following entries to view the project stock:

Table 5-2 Attributes for Stock Category

Field	Description
FIELD NAME IN BAPI	BAPI field name of stock category.
FIELD NAME IN TABLE	Field name of table for stock category.
STOCK DESCRIPTION	Description of the stock type to be displayed on app.

Field	Description
ACTIVE	Mark this field as X to display on the mobile app.
UI POSITION	Sequence for UI fields on app.

Figure 5-1 Table for Stock Categories

Display View "Table for list of stock categories": Overview

Field Name in B...	Field Name in...	Stock Desc	Active	UI Position	Screen Name
CHARG	CHARG	Batch Number		6	PROJECT_STOCK
LGSRT	LGSRT	Storage Location		7	PROJECT_STOCK
MATNR	MATNR	Material Number		8	PROJECT_STOCK
FREIN	FREIN	Restricted Use	X	4	PROJECT_STOCK
FRINS	FRINS	Qual. Inspection	X	2	PROJECT_STOCK
FRLAB	FRLAB	Unrestricted Use	X	1	PROJECT_STOCK
PRSFE	PRSFE	Blocked	X	3	PROJECT_STOCK
PSPOR	PSPOR	Work Breakdown St...		5	PROJECT_STOCK
WERKS	WERKS	Plant		9	PROJECT_STOCK

Figure 5-2 Stock Type configuration attributes

Data Browser: Table /INVMIM/STOCKTYP Select Entries 44

MANOIT	STOCKTYPE	STOCKDESC	ACTIVE	UI_POSITION
800	BLKD_CONSI	Blocked Consignment Stock		
800	BLKD_GR	Blocked Stock from Goods Receipt		
800	BLKD_RETURNS	Blocked Stock Returns	X	6
800	BLKD_STKC	Blocked Stock	X	5
800	CONSIG_ORD	Consignment order		
800	CONSIG_PL_QUAL_INSP	Consignment Stock in Quality Inspection		
800	CONTRACTS	Contracts		
800	DELIVERY	Deliveries		
800	DENOMINATR	Denominator for conversion to base units		
800	DEP_REQMTS	Dependent requirements		
800	FXED_ISSUES	Total of promised issues		
800	FXED_RECPT	Total of promised receipts		
800	FOC_DELIVERY	Deliveries free of charge	X	10
800	FORECAST_REQ	Forecast requirements		
800	IND_REQMTS	Planned independent requirements		
800	NUMERATOR	Numerator for Conversion to Base Units o		
800	ORDERS	Orders		
800	PLND_ORDER	Planned orders		
800	PL_ISSUES	Total of planned issues		
800	PL_RECEIPT	Total of planned receipts		
800	PROD_ORDER	Production orders in total		
800	PUR_ORDERS	On-Order stock	X	4
800	PUR_REQ	Purchase requisitions		
800	QUAL_INSPECTION	Stock in Quality Inspection	X	2
800	QUAL_INSP_VENDOR	Stock in quality inspection at vendors		
800	QUOTATIONS	Quotations		
800	RFCT_DEPEND	Total quantity of the recent dependent		

5.4. Configure output types for Label Printing

Configure Output types for label printing in Goods Receiving and Goods Issue modules

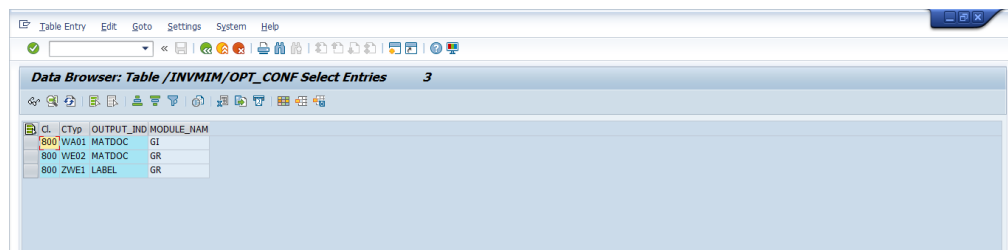
To configure output types for Label Printing:

1. Enter table `/INVMIM/OPT_CONF` using **SM30** transaction.
2. Add the following entries in the table:

Table 5-3 Label Printing Output Type attributes

Field	Description
OUTPUT_TYPE	Enter the Condition Type.
OUTPUT_INDICATOR	Enter the Output indicator.
MODULE_NAME	Enter the Module Name.

Figure 5-3 Label Printing Output Types



The screenshot shows the SAP Data Browser interface for the table `/INVMIM/OPT_CONF`. The table has 3 entries. The columns are `CL`, `CTyp`, `OUTPUT_IND`, and `MODULE_NAM`.

CL	CTyp	OUTPUT_IND	MODULE_NAM
800	WA01	MATDOC	G1
800	WE02	MATDOC	GR
800	ZWE1	LABEL	GR

5.5. SAP Log Table for failed transactions when in Offline mode

View the logs of transactions that failed when the device is not connected to the network, in the `/n/INVMGO/OFFOTLOG` report.

Reason for failure is displayed for each transaction. You can delete/clean the old records using the **Delete Indicator** checkbox.

Figure 5-4 Error Log Table history Filters

Error log table history

Application name: mInventory

Module Name: [Empty]

User ID: MINVENTORY1

Date: 16.03.2019 to [Empty]

☐ Delete Indicator

Figure 5-5 Error Log Table history

Error log table history

Application Name	Module Name	Keyfields	Created By	Date	Message	Status
MINVENTORY	Service Confirmation		MINVENTORY1	20.190.311.022.448	(E):Service 3000000000018: quantity 1.234.568,000 exceeds quantity 20,000 in purchase order.	F
MINVENTORY	Service Confirmation		MINVENTORY1	20.190.312.020.818	(E):Service description (number, short text) missing in line 0000000010.	F
MINVENTORY	Service Confirmation		MINVENTORY1	20.190.312.024.300	(E):Service VegMgmt - Herbicide: no overall limit for unpl. services amounting to 4.938.271,56 exists.	F
MINVENTORY	Service Confirmation		MINVENTORY1	170.911.000.000	(E):Service description (number, short text) missing in line 0000000010.	F
MINVENTORY	Service Confirmation		MINVENTORY1	20.190.312.024.142	(E):Service VegMgmt - Herbicide: no overall limit for unpl. services amounting to 4.938.271,56 exists.	F
MINVENTORY	Service Confirmation		MINVENTORY1	20.190.312.024.523	(E):Service description (number, short text) missing in line 0000000010.	F

All the entries are stored in SAP ECC custom table /INVMGO/OFFOTLOG.

Figure 5-6 Offline Outbox Log details

Display of Entries Found

Table to be searched: /INVMGO/OFFOTLOG Offline outbox log details

Number of hits: 213

Runtime: 0 Maximum no. of hits: 500

Transaction ID	Serial Number	App Name	Module Name	KeyFields	Transaction name	AppID
	1					
0.1692458206093308	2	MINVENTORY	Material Master		0.1692458206093308	APP160
0.1692458206093308	1	MINVENTORY	Material Master		0.1692458206093308	APP160
0.1692458206093308	3	MINVENTORY	Material Master		0.1692458206093308	APP160
0.1692458206093308	4	MINVENTORY	Material Master		0.1692458206093308	APP160
0.1692458206093308	5	MINVENTORY	Material Master		0.1692458206093308	APP160
0.41007743121195983	2	MINVENTORY	Material Master		0.41007743121195983	APP160
0.41007743121195983	3	MINVENTORY	Material Master		0.41007743121195983	APP160
0.41007743121195983	4	MINVENTORY	Material Master		0.41007743121195983	APP160
0.41007743121195983	5	MINVENTORY	Material Master		0.41007743121195983	APP160
0.41007743121195983	1	MINVENTORY	Material Master		0.41007743121195983	APP160
0.4768458892838072	1	MINVENTORY	Material Master		0.4768458892838072	APP160
0.4768458892838072	2	MINVENTORY	Material Master		0.4768458892838072	APP160

5.6. Enable Ping ID support for iOS

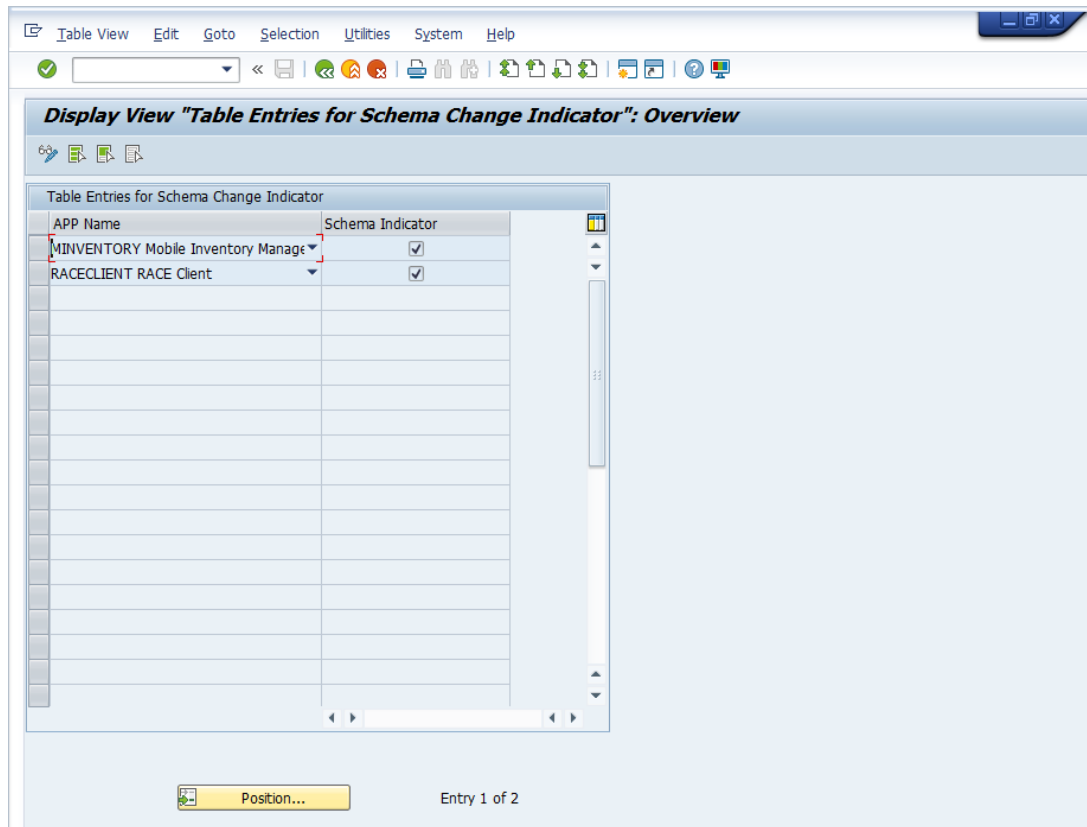
The issue with Ping ID (for iPad) that occurred in SMP 3.0 SP14 library is rectified in SP16 library. However, the existing backend schema code (with forward slash) does not support the SP16 version. Changes are implemented in the backend and UI across the application.

Maintain the following entries in the gateway table using t-code `/n/INVCEC/SCHEMA`.

Table 5-4 Entries for Schema Change Indicator

App Name	Schema Indicator
MINVENTORY	Yes
RACECLIENT	Yes

Figure 5-7 Table Entries for Schema Change Indicator



5.7. Configure SAP HR Master Data

Configure master data for user details like user ID, username, and user profile photo in SAP. These details are displayed on User Profile screen of the application.

Following steps guide you to configure master data:

1. Go to the transaction **PA40**.
2. Select create new assignment in **Personnel Actions**.

Figure 5-8 Personnel Actions

The screenshot shows the SAP Personnel Actions (PA40) transaction interface. On the left, there is a 'Find by' section with options: Person, Collective search help, Search Term, and Free search. The main area displays a list of 'Personnel Actions' with columns: Action Type, Personn..., EE group, and EE subg... The 'Create New Assignment' action is highlighted in yellow. Other actions listed include Org.mgmt - mini master (CATT), Hiring - addition, Supplementary IT, Re-entry into Company, Hiring HR050, Hiring HR305, Hiring HR505, Change of Position, Return from S-Term Disability, and Planning Global Assignment. At the top, there are input fields for 'Personnel No.' and 'Start', and a dropdown for 'Pers.Assgn'.

3. Click on execute  or Press F8.
4. Enter **Start Date**, **Last Name**, **First Name** and **Personnel Area**.
5. Click **Save**.
Personnel Number record is created.
6. Go to transaction **PA30**.
7. Assign Personnel No. to Employee ID (which should be created by Basis in SAP).
8. Enter **Infotype** as 0105 and **Sub type** as 0001.
9. Click **Create**.
10. Enter SAP User ID/number.

Figure 5-9 Create Communication

Create Communication

Pers. No. 80033 Pers. Assgn 00080033

IN Model comp - And... Active

Admin Hourly wage earner HR-IN : Monthly

Start 01.01.2019 to 31.12.9999

Communication

Type 0001 System user name (SY-UNAME)

ID/number ☒

11. Click **Save**.
12. Go to **PA0105** table and review the details.

Figure 5-10 PA0105 table

Display of Entries Found

Table to be searched PA0105 HR Master Record: Infotype 0105 (Communications)

Number of hits 1

Runtime 0 Maximum no. of hits 500

PersNo.	STy.	ObjID LI End Date	Start Date	RNo	Reserved Field/Unused Field	Reserved Field/Unused Field of Length 2	Reserved Field/Unused Field of Length 2	Grp Value	Type	ID/number	Long ID
80033	0001	31.12.9999	01.01.2019						0001	MINVENTORY1	

13. Go to **OAAD** transaction to upload the profile photo to the Personnel Number.
14. Click **Store and Assign**.
15. Enter **Business Object** and **Document Type**.
16. Click **Create**.
17. Enter **Personnel Number** and **Infotype** as 0006.

Figure 5-11 Key for SAP Document

The screenshot shows the 'ArchiveLink: Store and Assign' dialog box. The 'Target object' section is visible, with 'Business object' set to 'PREL'. A sub-dialog box titled 'Key for SAP document' is open, displaying the following fields:

Field	Value
Personnel Number	00080033
Infotype	0006
Subtype	
Object ID	
Date of Origin	

At the bottom of the sub-dialog, there are three buttons: a green checkmark icon, a yellow button labeled '&? Object', and a red 'X' icon. The main dialog box also has a 'Doc. class' field at the bottom.

18. Click **OK**.
19. Browse the profile photo and click **Open**.
20. Review the profile photo using **PA30** transaction.

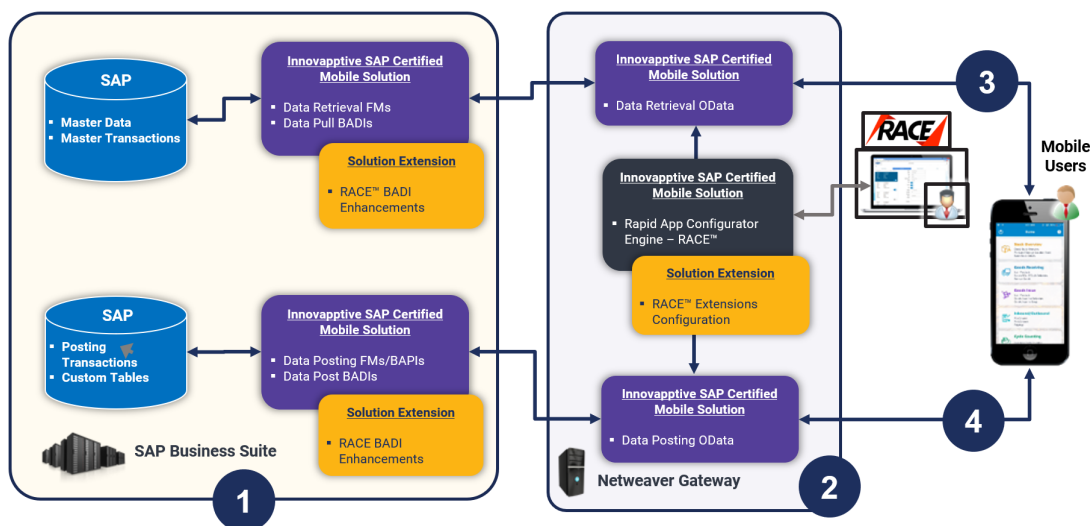
6. Configure RACE™ for mInventory

Innovapptive's Connected Workforce Platform™ uses built-in integrations to connect your SAP®, IBM Maximo, and other back-office systems with mobile applications. This helps organizations bridge communication and information gaps between executive teams, field technicians, plant operators, warehouse operators, maintenance engineers, and back-office staff. Connect data points across cloud and on-premise networks to quickly and easily.

- Draw powerful insights
- Identify cost-savings opportunities
- Make calculated business decisions
- Respond quickly to trends or problems

To align our solutions with your operations, we built a Rapid App Configuration Engine (RACE™) directly into our mobile Connected Workforce Platform. This sophisticated configuration toolkit gives developers and non-developers complete freedom to customize mobile environments without any coding experience.

Figure 6-1 RACE™ Architecture



Deployment ecosystem consists of the following:

1. SAP ECC Integration Component (SAP Certified Add-On in Innovapptive Namespace):

This SAP-certified add-on is developed on ABAP. You can deploy this add-on on SAP ECC through an Add-On Package. You can make enhancements to this through BADI by developing those enhancements in ABAP. This add-on helps you manage Data retrieval and do posting to BAPI's or Function Modules.

2. SAP NetWeaver Integration Component with OData Web Services: Developed on ABAP and OData and offered as an SAP Certified Add-On. This add-on is deployed through an Add-On Package on SAP NetWeaver. You can make enhancements through RACE Configurations. This add-on helps manage the OData integration components (i.e. OData Web Services) to interface with the mobile app. The RACE™ Add-On has both the front-end components and the back-end data tables for the RACE™ Lite Configuration tool.

3. Native App Client + Desktop Web App: Application front-end solutions are offered on mobile OS as a native application that can run on tablets and smartphones.

- iOS – Developed using native iOS (Swift SDK)
- Android – Developed using Android SDK on JAVA
- Browser based App for desktop – Developed using SAPUI5 technology.

Changes on the application user interface is managed through the RACE™ Lite Admin tool.

4. Interface between Mobile App and NetWeaver Gateway: OData Web Services

5. Interface between NetWeaver Gateway and SAP ECC: RFC Connection

6.1. Features of RACE™

You can do the following with RACE™ in your mobile application:

- **Enable and Disable features:** Enable or disable modules on the fly; no additional development or deployments efforts.
- **Define Defaults:** Define default device and application values that you use every day at work like Default Plant or the type of peripherals that you use. When you do this, the fields for specifying those values are automatically populated.
- **Manage Filters:** Create, edit, or delete filters to define the transaction records that you want to view across the modules. For example, you can add a date filter for Purchase Orders to restrict a list of Purchase Orders displayed in a list screen.
- **Add/Modify fields:** Add new fields and modify existing field parameters, such as Field Types, UI Label, UI Positions, and visibility. Define mandatory, optional, or display/hidden fields.

- **Add and customize search criteria:** Add/modify search fields to filter records based on your work requirements.
- **Create modules and screens:** Create new modules and screens to address your specific business requirements.
- **Optimize Performance:** Enable or disable a collection for Offline storage and configure the page size on the list screen using Skip Token.
- **Localization:** Configure the UI labels in the language of your choice to cater to regional language requirements.
- Apply security access capabilities to modules and features.
- Configure security for newly added fields.
- Map newly added fields with SAP fields.

6.2. How to Configure RACE™ for mInventory

RACE™ configurations are provided in spreadsheets. Upload these spreadsheets to your RACE application instance to enable the latest RACE™ features that are developed for mInventory. Contact your Innovapptive representative for the RACE configuration spreadsheets for your release.

When you use the RACE™ preset configuration spreadsheets, you enable all the recommended features / configurations automatically.

Some non-standard features are developed for a few customers. These features are not enabled by default when you import the spreadsheets with configurations. You can enable these features if required by your business.

For detailed information on RACE configurations, see the *Upload Application Configurations Using RACE™* section in the *Configure mInventory using RACE™* document.

7. SAP transactions and tables for mInventory

The following table provides the list of key SAP transactions and tables for mInventory.

Table 7-1 SAP Transactions and Tables

Module Name	Applicable Table	Transaction Code
GOODS_ISSUE	VBAP	VL06
GOODS_ISSUE	VBUK	VL06
GOODS_ISSUE	LIKP	VL06
GOODS_ISSUE	LIPS	VL06
GOODS_ISSUE	AUFG	IW31
GOODS_ISSUE	EKKO	ME23N
GOODS_ISSUE	EKPO	ME23N
GOODS_ISSUE	MSEG	MB1A
GOODS_RECIEVING	LIKP	MIGO
GOODS_RECIEVING	EKKO	MIGO
GOODS_RECIEVING	EKKO	MIGO
GOODS_RECIEVING	MSEG	MB1C
All	MSEG	MIGO
All	MKPF	MIGO
All	RKPF	MIGO
All	RESB	MB23
All	NAST	MB90
HU_LOOKUP	VEKP	HUMO
HU_LOOKUP	VEPO	HUMO
PICKING	LIKP	VL06P
PUTAWAY	LIKP	VL06
PACKING	LIKP	VL02N, VL32N

Table 7-1 SAP Transactions and Tables (continued)

Module Name	Applicable Table	Transaction Code
PACKING	VEPO	VL02N, VL32N
PACKING	PACKPO	VL02N, VL32N
STOCK_OVERVIEW	LQUA	LS26
STOCK_OVERVIEW	MARA	MMBE
STOCK_OVERVIEW	MARD	MMBE
STOCK_OVERVIEW	MCHB	MMBE
STOCK_OVERVIEW	MARA	MMBE
STOCK_OVERVIEW	MARD	MMBE
STOCK_OVERVIEW	MCHB	MMBE
TO_CONFIRM	LTAK	LT12
TO_CONFIRM	LTAP	LT12
CYCLE_COUNT_MAT	IKPF	MI04, MI07
CYCLE_COUNT_MAT	ISEG	MI04, MI07
CYCLE_COUNT_MAT	HUINV_HDR	HUINV01
BIN_COUNT	ISEG	MI04
BIN_COUNT	IKPF	MI07
BIN_COUNT	LINV	LI11N, LI20
TRANSFER_POSTING	LINK	LI11N, LI20
TRANSFER_POSTING	LINP	LI11N, LI20
EXTENDED_WAREHOUSE_- MANAGEMENT	/SCDL/DB_PROCH_I	/SCWM/IDN
EXTENDED_WAREHOUSE_- MANAGEMENT	/SCDL/DB_PROCI_I	/SCWM/PRDI
REMOTE_LOGISTICS_MGMT	OIO_C1_CNTNR, VTTK	O3O_PACK01, O3O_PACK03, O3O_PACK05
MATERIAL MASTER	MARA, MARC, MARD	MM02

Table 7-1 SAP Transactions and Tables (continued)

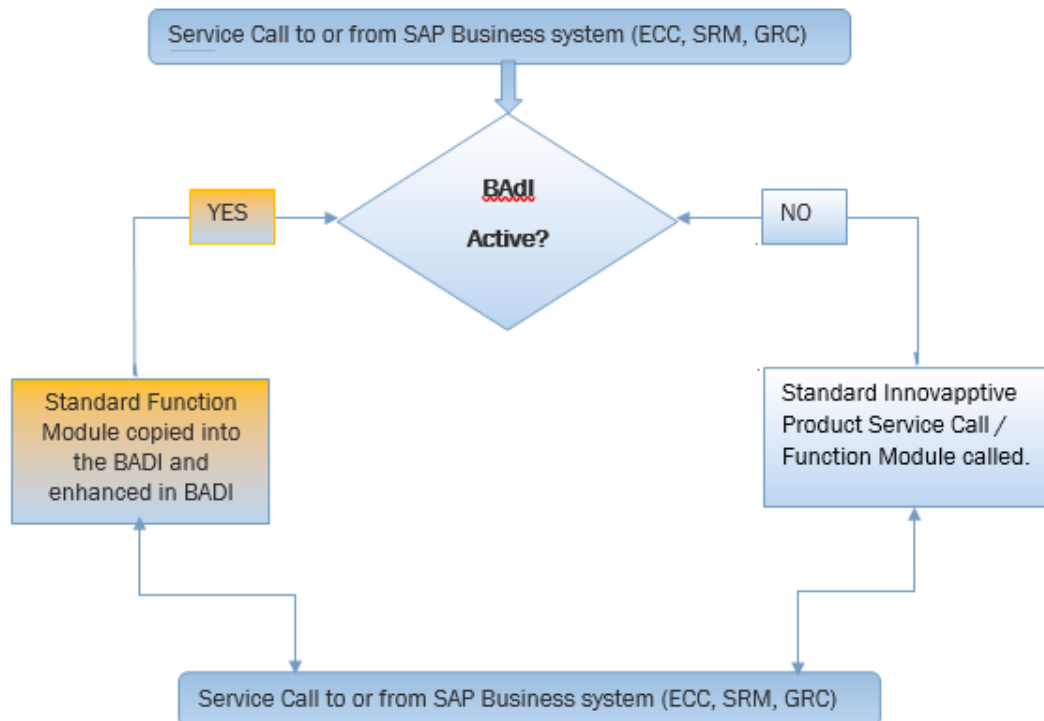
Module Name	Applicable Table	Transaction Code
Material document and Label reprinting	MSEG, NAST	MB90

8. Implement BADIs

mInventory uses SAP oDATA based on RESTful design. mInventory performs service calls to read and post data from the SAP Business backend system. These service calls invoke remote enabled function modules in the backend systems to either get or post data depending on the direction of the call. Like Standard SAP code, Innovapptive Add-On code objects cannot be modified in customer systems.

Innovapptive's solution provides the ability for customers to avail additional functionality through BADIs. The enhanced/modified service calls/function modules that are designed to meet special/additional requirements of customers are replaced in the customer environment BADI.

Figure 8-1 BADI Implementation



8.1. Prerequisites for BADI Implementation

Ensure you have the following:

- **Access**

- Access to the ECC system as ABAP Developer.

- **Dependency**

- Installation of ECC and Gateway Add-ons.
- BRD and Fit-GAP analysis has been performed. Gap resolution requires custom enhancement to be performed on the customer SAP system.

- **Assumptions**

- Person who performs the actions outlined has full knowledge and understanding of ABAP Development and has BADIs implementation experience.
- Standard SAP best practices are followed, and the business requirements are documented, the Fit-Gap analysis is performed, FS and TS are documented to ensure that the changes to the standard functionality are done using the SDLC process.
- All changes done in the BADI are owned by the customer and changes and support (during upgrades) are fully owned by the customer as these are enhancements to the Product and thus no longer part of the standard Innovapptive product Add-On code. This is in line with SAP standard methodology, all enhancements/BADIs are fully owned by the customer and need to evaluate during upgrades for impact or adjustments.

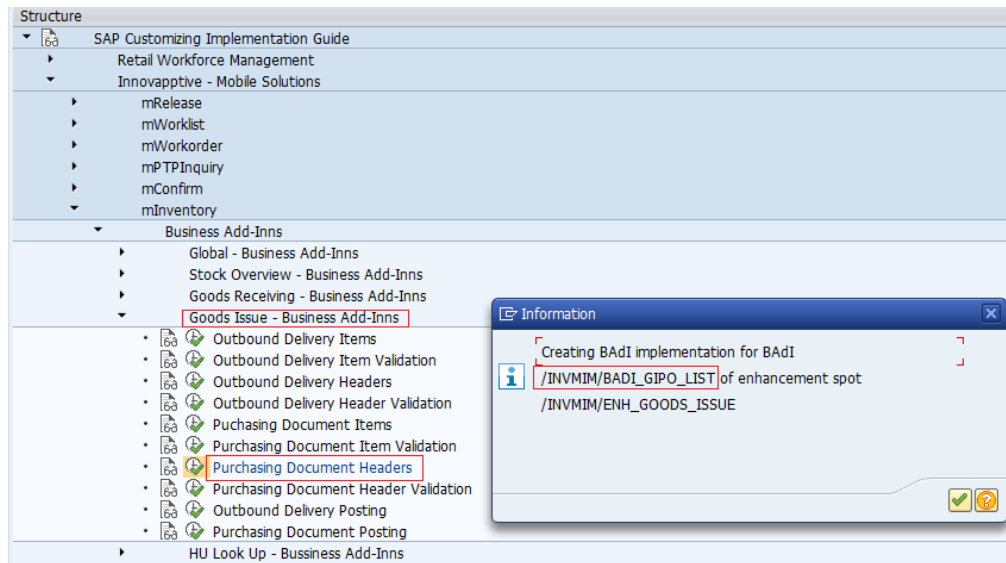
8.2. Activate and Implement BADI

To activate and implement BADI:

1. Log in to SAP.
2. Run transaction SPRO.
3. Click Innovapptive – Mobile Solutions, mInventory and select BADI as shown in the image.

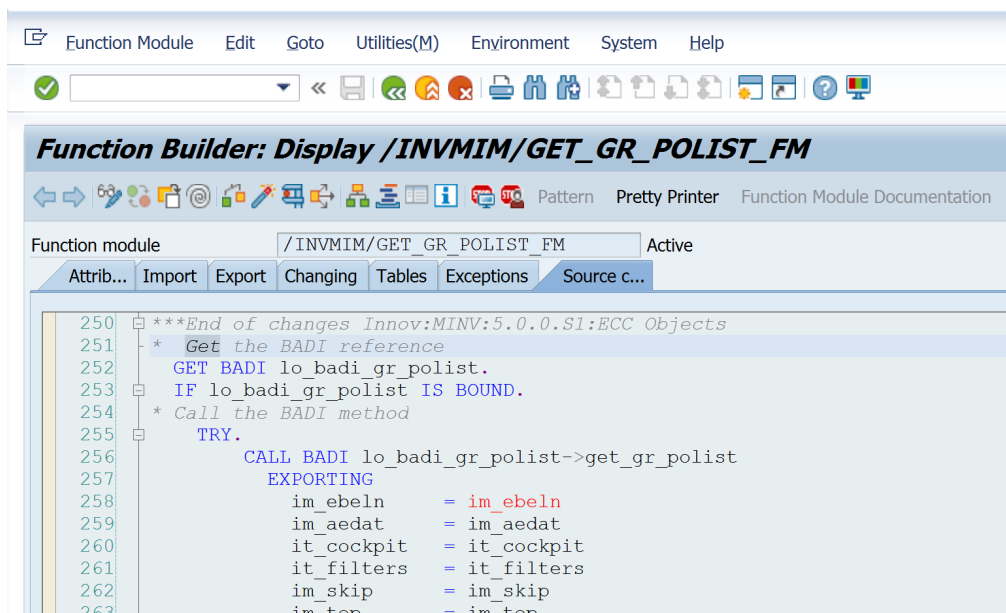
For the list of BADIs available for mInventory, see [List of BADIs for mInventory \(on page 53\)](#).

Figure 8-2 SPRO IMG Structure



4. Click **Execute**.
5. Alternatively, you can use transaction SE37 and view the function module `/INVMIM/GET_GR_POLIST_FM`. This FM is related to service call that gets the Goods Receipts PO list.

Figure 8-3 FM: `/INVMIM/GET_GR_POLIST_FM`



6. Search the function module with the string GET BADI
7. Click **GET BADI**.

Global Search in Programs	
Program/Enhancement	Found locs/short description
☐ /INVMIM/LGR_FGU01	252 GET BADI lo_badi_gr_polist.

8. Double-click the BADI to navigate to the **SE18** transaction

Figure 8-4 SE18

```

115 | *-----*
116 | * Reference
117 | *-----*
118 | DATA lo_badi_gipo_list TYPE REF TO /invmim/badi_gipo_list.
119 | DATA lo_badi_gipo_list_val TYPE REF TO /invmim/badi_gipo_list_val.
120 | * Get the BADI reference
121 | GET BADI lo_badi_gipo_list.
122 | IF lo_badi_gipo_list IS BOUND.
123 |     TRY .
124 |         CALL BADI lo_badi_gipo_list->get_gi_polist

```

double click on this



9. Click the Implementation icon for BADI.

Enhancement Spot /INVMIM/ENH_GOODS_RECEIPT Display

Enhancement Spot: /INVMIM/ENH_GOODS_RECEIPT Active

Attrib... Enhancem. Implementations Technical Details Enh. Spot Element Definiti...

BAdI Definitions

- /INVMIM/BADI_BATCH_C BADI definition batch c
- /INVMIM/BADI_BIN_COL Bin Count Items
- /INVMIM/BADI_CC_PUSH Push Notifications for
- /INVMIM/BADI_GRID_IT BADI definition for Go
- /INVMIM/BADI_GRID_IT GR Inbound Delivery I
- /INVMIM/BADI_GRID_LI BADI definition for Go
- /INVMIM/BADI_GRID_LI GR Inbound Delivery I
- /INVMIM/BADI_GRID_PC BADI definition for Go
- /INVMIM/BADI_GROD_LI BADI definition for GR
- /INVMIM/BADI_GROD_LI Get list of Outbound D
- /INVMIM/BADI_GROD_LI GR Outbound Delivery
- /INVMIM/BADI_GROD_PI BADI definition for Go
- /INVMIM/BADI_GROD_PI BADI definition for Go
- /INVMIM/BADI_GRSTO_I BADI definition for Go
- /INVMIM/BADI_GR_DLV Handling Unit data for
- /INVMIM/BADI_GR_POIT BADI definition for Go
- /INVMIM/BADI_GR_POTT GR Purchasing Docume
- /INVMIM/BADI_GR_POLI BADI definition for Go

BAdI Definition /INVMIM/BADI_GR_POLIST tech. i

Description BADI definition for Goods Receipt PO List

Interface /INVMIM/IF_GR_POLIST

Usability

- ☒ Multiple Use
- ☐ Can only be implemented SAP-internally
- ☐ Limited Filter Use

Instance Creation Mode

- ☒ Newly Creating Instantiation
- ☐ Reusing Instantiation
- ☐ Context-Specific Instantiation

☐ Call fallback if no implementation is executed

Fallback Class

Implementation Example Classes

10. Enter an appropriate name (starting with Y/Z) for enhancement of spot implementation. (Follow the naming conventions and standards as per the policies and procedures defined.)

Enhancement Spot /INVMIM/ENH_GOODS_RECEIPT Display

Enhancement Spot: /INVMIM/ENH_GOODS_RECEIPT Active

Attrib... Enhancem. Implementations Technical Details Enh. Spot Element Definiti...

BAdI Definitions

- /INVMIM/BADI_BATCH_C BADI definition batch c
- /INVMIM/BADI_BIN_COL Bin Count Items
- /INVMIM/BADI_CC_PUSH Push Notifications for
- /INVMIM/BADI_GRID_IT BADI definition for Go
- /INVMIM/BADI_GRID_IT GR Inbound Delivery I
- /INVMIM/BADI_GRID_LI BADI definition for Go
- /INVMIM/BADI_GRID_LI GR Inbound Delivery I
- /INVMIM/BADI_GRID_PC BADI definition for Go
- /INVMIM/BADI_GROD_LI BADI definition for GR
- /INVMIM/BADI_GROD_LI Get list of Outbound D
- /INVMIM/BADI_GROD_LI GR Outbound Delivery
- /INVMIM/BADI_GROD_PI BADI definition for Go
- /INVMIM/BADI_GROD_PI BADI definition for Go
- /INVMIM/BADI_GRSTO_I BADI definition for Go
- /INVMIM/BADI_GR_DLV Handling Unit data for
- /INVMIM/BADI_GR_POIT BADI definition for Go
- /INVMIM/BADI_GR_POTT GR Purchasing Docume
- /INVMIM/BADI_GR_POLI BADI definition for Go

BAdI Definition /INVMIM/BADI_GR_POLIST tech. i

Description BADI definition for Goods Receipt PO List

Interface /INVMIM/IF_GR_POLIST

Usability

- ☒ Multiple Use
- ☐ Can only be implemented SAP-internally

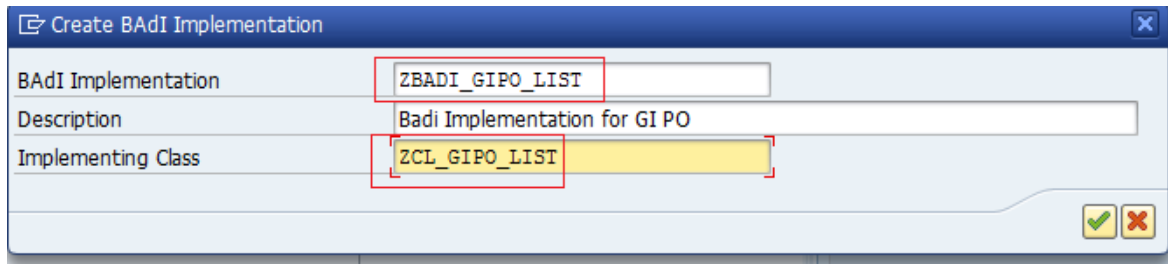
Create Enhancement Implementation

Enhancement Implementation: ZENH_GOODS_RECEIPT

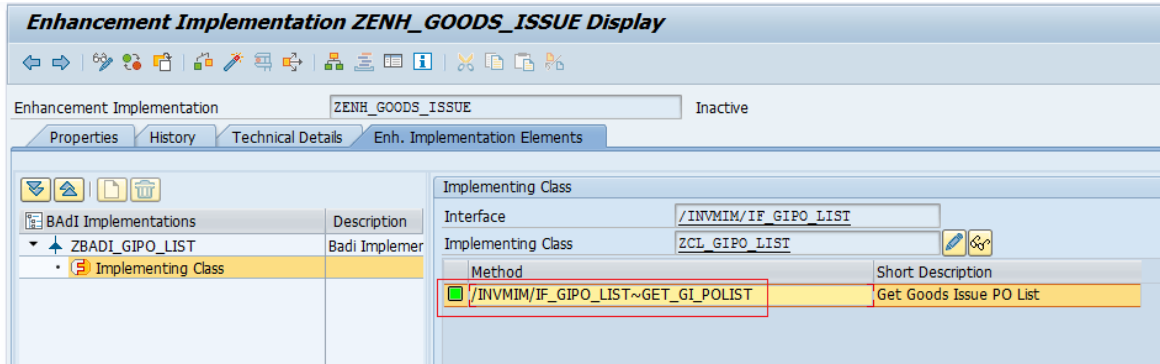
Short Text: Enhancement Spot Implementation for GR

Composite Enhancement Implementation

11. Enter the package name.
12. Enter an appropriate name starting with Y/Z for BADI implementation and any Z/Y name for implementing a class.



13. Click the method as shown in the following screenshot.

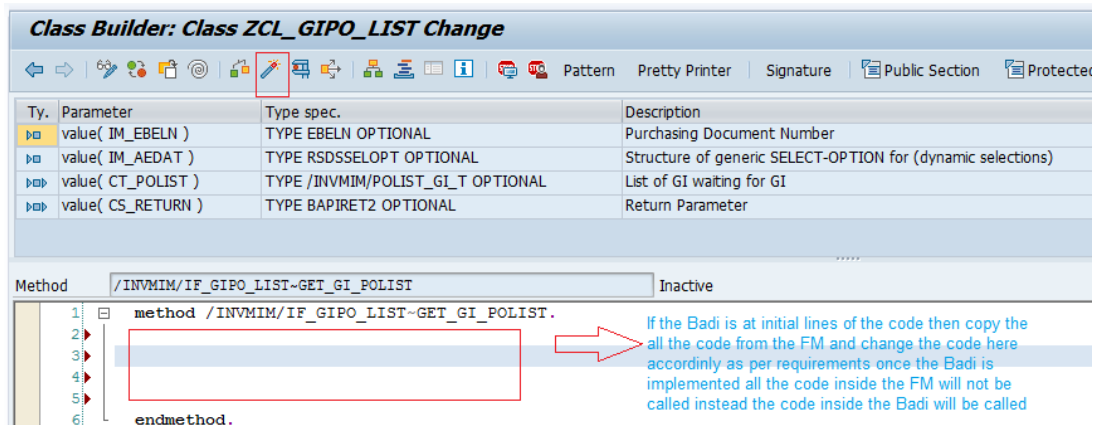


14. Click **YES**.

15. Perform the development activity (code changes and enhancements) to meet the business requirements:

- By default, the BADI is initially blank.
- Copy all the lines of the code from the standard Innovapptive—delivered FM / `INVMIM/GET_GR_POLIST_FM` to this section.

The code can now be enhanced by following the standard ABAP development practices.



- Activate the BADI implementation (while activating, select all the relevant objects in the activation list).

8.3. Verify BADI Implementation

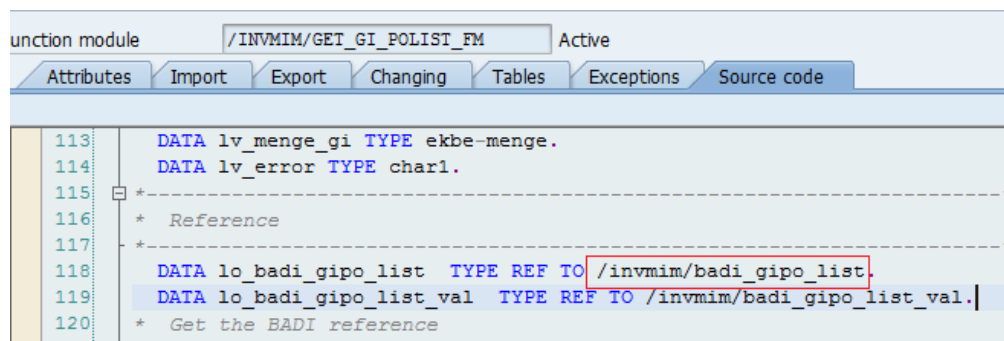


Note:

Sample screen of GI BADI is displayed in screenshots below to show the steps to implement the BADI for reference purposes only. Use the `/INVMIM/GET_GR_POLIST_FM` for the scenario described.

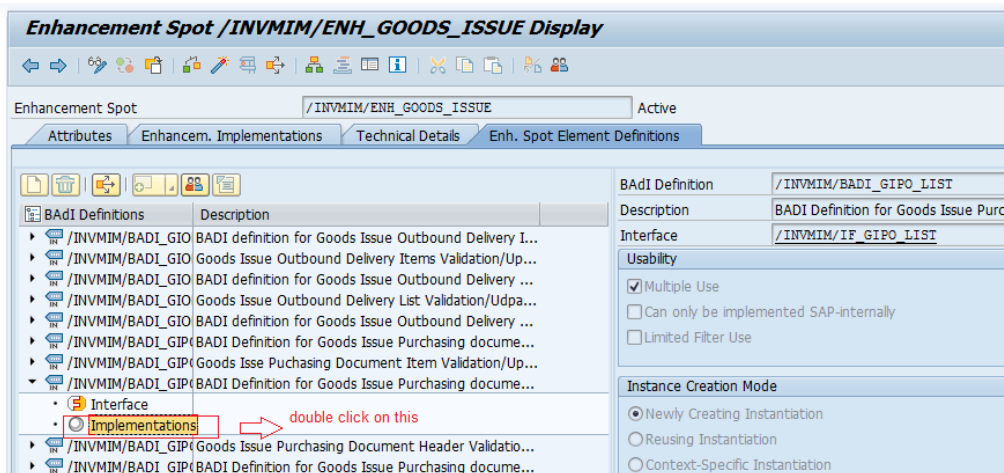
1. Run **SE37** and display the function module **/INVMIM/GET_GI_POLIST_FM**.

Figure 8-5 Function Module: /INVMIM/GET_GI_POLIST_FM



2. Double-click the BADI **/INVMIM/BADI_GIPO_LIST**

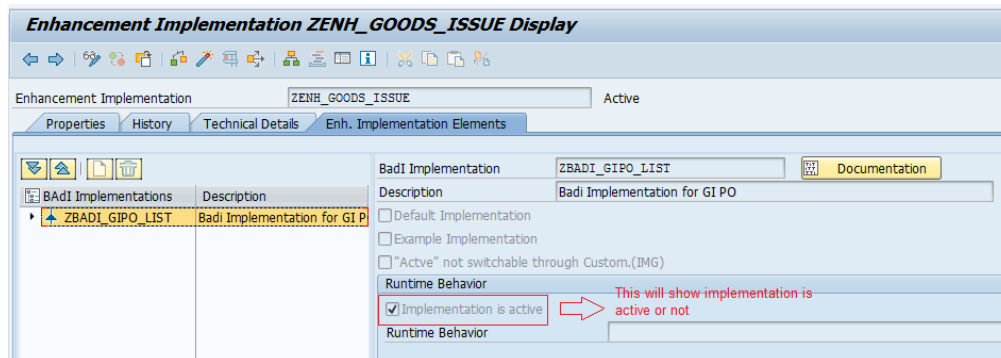
Figure 8-6 BADI: /INVMIM/BADI_GIPO_LIST



This displays the BADI implementation along with the active or inactive status.

3. Verify the **Implementation is active** check box.

Figure 8-7 Badi Implementation Status



8.4. List of BADIs for mInventory

List of BADIs (Business Add-Ins) available as part of the mInventory SAP ECC Add-on component to enhance the standard functionality with ABAP development.

Table 8-1 BADIs in mInventory Application

BADI Name	Method Name	BADI Description
/INVMIM/BIN_COUNT_HEADER	BIN_COUNT	WM Bin Header
/INVMIM/BADI_BIN_COUNT_ITEMS	BIN_COUNT	WM Bin Items
/INVMIM/BADI_POST_BIN_COUNT	BIN_COUNT	WM Bin Posting
/INVMIM/BADI_MATPHYINV_LIST	CYCLE_COUNT_MAT	MAT Physical Inventory List
/INVMIM/BADI_MATPHYINV_ITEMS	CYCLE_COUNT_MAT	MAT Physical Inventory Items
/INVMIM/BADI_MATPHYINV_POST	CYCLE_COUNT_MAT	MAT Physical Inventory Posting
/INVMIM/BADI_HUPHYINV_LIST	CYCLE_COUNT_HU	HU Physical Inventory Header
/INVMIM/BADI_HUPHYINV_ITEMS	CYCLE_COUNT_HU	HU Physical Inventory Items
/INVMIM/BADI_HUPHYINV_POST	CYCLE_COUNT_HU	HU Physical Inventory Posting
/INVMIM/BADI_GIOD_LIST	GOODS_ISSUE	Outbound Delivery Header
/INVMIM/BADI_GIOD_ITEMS	GOODS_ISSUE	Outbound Delivery Items
/INVMIM/BADI_GIOD_POST	GOODS_ISSUE	Outbound Delivery Posting
/INVMIM/BADI_ORDER_HEADER	GOODS_ISSUE	Order Header
/INVMIM/BADI_ORDER_ITEM	GOODS_ISSUE	Order Items

Table 8-1 BADIs in mInventory Application (continued)

BADI Name	Method Name	BADI Description
/INVMIM/BADI_POST_GI_ORDERS	GOODS_ISSUE	Order Posting
/INVMIM/BADI_GIPO_LIST	GOODS_ISSUE	STO Header
/INVMIM/BADI_GIPO_ITEMS	GOODS_ISSUE	STO Items
/INVMIM/BADI_GIPO_POST	GOODS_ISSUE	STO Posting
/INVMIM/BADI_PO_LIMITS	GOODS_RECEIVING	PO Limits
/INVMIM/BADI_SERVICE_LINES	GOODS_RECEIVING	Sub Services
/INVMIM/BADI_GRID_LIST	GOODS_RECEIVING	Inbound Delivery Header
/INVMIM/BADI_GRID_POST	GOODS_RECEIVING	Inbound Delivery Posting
/INVMIM/BADI_GRID_ITEMS	GOODS_RECEIVING	Inbound Delivery Items
/INVMIM/BADI_GROD_LIST	GOODS_RECEIVING	Outbound Delivery Header
/INVMIM/BADI_GRID_ITEMS	GOODS_RECEIVING	Outbound Delivery Items
/INVMIM/BADI_GROD_POST	GOODS_RECEIVING	Outbound Delivery Posting
/INVMIM/BADI_GR_POLIST	GOODS_RECEIVING	PO Header
/INVMIM/BADI_GR_POITEMS	GOODS_RECEIVING	PO Items
/INVMIM/BADI_GRPO_POST	GOODS_RECEIVING	PO Posting
/INVMIM/BADI_GR_STOLIST	GOODS_RECEIVING	STO Header
/INVMIM/BADI_GR_STOITEM	GOODS_RECEIVING	STO Items
/INVMIM/BADI_GRSTO_POST	GOODS_RECEIVING	STO Posting
/INVMIM/BADI_PACKING_LIST	PACKING	packing Header
/INVMIM/BADI_PACKING_ITEMS	PACKING	packing Items
/INVMIM/BADI_PACKING_POST	PACKING	Packing Header
/INVMIM/BADI_PICKING_LIST	PICKING	Picking Header

Table 8-1 BADIs in mInventory Application (continued)

BADI Name	Method Name	BADI Description
/INVMIM/BADI_PICKING_-ITEMS	PICKING	Picking Items
/INVMIM/BADI_PICKING_-POST	PICKING	Picking Posting
/INVMIM/BADI_PUTAWAY_-LIST	PUTAWAY	Putaway Header
/INVMIM/BADI_PUTAWAY_-ITEMS	PUTAWAY	Putaway Items
/INVMIM/BADI_PUTAWAY_-POST	PUTAWAY	Putaway Posting
/INVMIM/BADI_GET_BINS-STOCK	STOCK_OVERVIEW	Bin Stock
/INVMIM/BADI_OPENTO_LIST	TO_CONFIRM	TO Header
/INVMIM/BADI_OPENTO_ITEM	TO_CONFIRM	TO Items
/INVMIM/BADI_OPENTO_-CONFIRM	TO_CONFIRM	TO Posting
/INVMIM/BADI_STORAGE_-BINS	TRANSFER_POSTING	Storage Bins
/INVMIM/BADI_BIN_TO_BIN	TRANSFER_POSTING	Bin to Bin posting
/INVMIM/BADI_PLANT_STOCK	STOCK_OVERVIEW	Plant stock
/INVMIM/BADI_MATDOC_-HEADER	GOODS_RECEIVING	Material Doc Header
/INVMIM/BADI_MATDOC_-ITEMS	GOODS_RECEIVING	Material Doc Item
/INVMIM/BADI_INV_AUDIT_-ITEM	CONINV_AUDIT	Audit Item Screen
/INVMIM/BADI_INV_AUDIT_-LIST	CONINV_AUDIT	Audit Header Screen

Table 8-1 BADIs in mInventory Application (continued)

BADI Name	Method Name	BADI Description
/INVMIM/BADI_SERVICE_- PO_HDR	SERVICE_CONF	Service PO Header
/INVMIM/BADI_SERVICE_- PO_ITEMS	SERVICE_CONF	Service PO Item
/INVMIM/BADI_SCSO_POST	SERVICE_CONF	Service PO Posting
/INVMIM/BADI_GI_RESERV_- HEADER	GOODS_ISSUE	Reservation Header
/INVMIM/BADI_GI_RESERV_- ITEMS	GOODS_ISSUE	Reservation Item
/INVMIM/BADI_POST_GI_- RESERVATN	GOODS_ISSUE	Reservation Posting
/INVMIM/_GI_BADI_MAT- DOC_HDR	GOODS_ISSUE	Material Doc header
/INVMIM/BADI_GI_MAT- DOC_ITEMS	GOODS_ISSUE	Material Doc item
/INVMIM/BADIGR_- REVERSAL_POLIST	GOODS_RECEIVING	Return Delivery Header
/INVMIM/BADI_VNDRRE- TURN_POST	GOODS_RECEIVING	Return Delivery Posting
/INVMIM/BADI_MATDOC_- REVERSAL	GOODS_RECEIVING	Material Document Reversal
/INVMIM/BADI_CONTAINER_- LIST	REMOTE_LOGISTICS	Containers list
/INVMIM/BADI_DELVRY_CNT- NR_LIST	REMOTE_LOGISTICS	Delivery Container List
/INVMIM/BADI_LOADING_- AREASLIST	REMOTE_LOGISTICS	Loading Area List
/INVMIM/BADI_DELIVERY_LIST	REMOTE_LOGISTICS	Delivery List

Table 8-1 BADIs in mInventory Application (continued)

BADI Name	Method Name	BADI Description
/INVMIM/BADI_LDAREA_CNT-NR_LIST	REMOTE_LOGISTICS	Delivery Loading Area List
/INVMIM/BADI_LDAREA_-DELV_LIST	REMOTE_LOGISTICS	Shipment Loading Area List
/INVMIM/BADI_LDAREA_-SHIPM_LIST	REMOTE_LOGISTICS	Shipment list
/INVMIM/BADI_BATCH_STOCK	STOCK_OVERVIEW	Batch Stock
/INVMIM/BADI_STORAGE_-LOC_STOCK	STOCK_OVERVIEW	Storage Location Stock
/INVMIM/BADI_INV_AUDIT_-BOM	CONINV_AUDIT	BOM Items
/INVMIM/BADI_INV_AUDIT_-CREATE	CONINV_AUDIT	Inventory Audit Create
/INVMIM/BADI_DELVRY_-ITEM_LIST	REMOTE_LOGISTICS	Delivery Items
/INVMIM/BADI_SERV_PO_-ITEM_SERV	SERVICE_CONF	Service Contact Item
/INVMIM/BADI_SO_-MASTER_LIST	SERVICE_CONF	Service Master
/INVMIM/BADI_SO_CONTRACTS_DET	SERVICE_CONF	Service Contract Item
/INVMIM/BADI_CONTRACT_-HEADER	SERVICE_CONF	Service Contract Header
/INVMIM/BADI_GR_IDLIST_-FM	EWM_GRID	EWM GRID Header details
/INVMIM/BADI_GR_IDLITEMS	EWM_GRID	EWM GRID Item Details
/INVMIM/BADI_GR_ID_POS	EWM_GRID	EWM GRID Posting

Table 8-1 BADIs in mInventory Application (continued)

BADI Name	Method Name	BADI Description
/INVMIM/BADI_HU_LIST	EWM_GRID	EWM GRID HU List
/INVMIM/BADI_VEND_DET_- EWM	EWM_GRID	EWM Vendor Details
/INVMIM/ENH_BADI_TR_DE- TAILS	PUTAWAYTR	Get TR Details
/INVMIM/ENH_BADI_TR_LIST	PUTAWAYTR	Get list of TR's
/INVMIM/ENH_BADI_TO_- CREATE	PUTAWAYTR	Create TO from TR
/INVMIM/BADI_DELVRY_CNT- NR_LIST	REMOTE_LOGISTICS	Delivery to container list
/INVMIM/BADI_ATTACHMEN- T_DELIV	REMOTE_LOGISTICS	Attachment information
/INVMIM/RLM_BADI_NOTE_- CREATE	REMOTE_LOGISTICS	Get Note Create
/INVMIM/BADI_CONTAINER_- LIST	REMOTE_LOGISTICS	Get the container list
/INVMIM/BADI_CNTRN_SHIP- M_LIST	REMOTE_LOGISTICS	Get the Shipment list
/INVMIM/BADI_DELVRY_- ITEM_LIST	REMOTE_LOGISTICS	Get the delivery item list
/INVMIM/BADI_DELIVERY_LIST	REMOTE_LOGISTICS	Get packing delivery data
/INVMIM/BADI_LDAREA_CNT- NR_LIST	REMOTE_LOGISTICS	Get load area container list
/INVMIM/BADI_LDAREA_- DELV_LIST	REMOTE_LOGISTICS	Loading area Delivery data
/INVMIM/BADI_LDAREA_- SHIPM_LIST	REMOTE_LOGISTICS	Get the Shipment list

Table 8-1 BADIs in mInventory Application (continued)

BADI Name	Method Name	BADI Description
/INVMIM/BADI_LOADING_- AREASLIST	REMOTE_LOGISTICS	Get loading areas list
/INVMIM/BADI_PACK02_CN- TR_LIST	REMOTE_LOGISTICS	Get the container list
/INVMIM/BADI_PACK04_DEL- RY_LIST	REMOTE_LOGISTICS	Get packing delivery data
/INVMIM/BADI_PAK04_SH- P_LIST	REMOTE_LOGISTICS	Get the Shipment list
/INVMIM/BADI_PAK4_DEL_IT- M_LIST	REMOTE_LOGISTICS	Get the delivery item list
/INVMIM/BADI_SHIPMENT_- LIST	LOADING_AREA	Get the shipment list
/INVMIM/BADI_LOADING_- AREA_CRE	LOADING_AREA	Create Loading Area
/INVMIM/BADI_STORAGE_- BIN_CREAT	STORAGEBIN	create Storage Bin
/INVMIM/BADI_DASH- BOARD_GR	DASHBOARD_GR	Get the count for GR dash- board
/INVMIM/BADI_GR_COUNT	GOODS_RECIEVING	Get SAP Vs Mobile Count for GR
/INVMIM/BADI_CYCLE_- COUNT	CYCLE_COUNT_MAT	Get SAP Vs Mobile Count for Cycle Count
/INVMIM/BADI_LBL_PRINT_- HEADER	LABEL_PRINTING	To get Material Document Header
/INVMIM/BADI_LBL_PRINT_- ITEMS	LABEL_PRINTING	To get Material Document Item Details
/INVMIM/BADI_LBL_PRINTER- LIST	LABEL_PRINTING	To get Printer List
/INVMIM/BADI_LBL_PRINT- DOC	LABEL_PRINTING	To Print Documents

Table 8-1 BADIs in mInventory Application (continued)

BADI Name	Method Name	BADI Description
/INVMIM/BADI_MATERIAL_- LIST	/INVMIM/MATERIAL_LIST	Get List of Materials
/INVMIM/BADI_STORAGE_- BIN_UPDAT	/INVMIM/STORAGE_BIN_UP- DATE	Storage Bin Update
/INVMIM/BADI_GR_- BLOCKED_STOCK	/INVMIM/GET_GR_- BLOCKED_STOCK	Get list of Blocked Stock Mat- Doc List
/INVMIM/BADI_BCKDSTCK_- RELEASE	/INVMIM/RELEASE_BCKD_S- TOCK_FM	Release GR Blocked Stock
/INVMIM/BADI_REV_PICK_- HEADER	REVERSE_PICKING	Reverse Picking Header List
/INVMIM/BADI_REVERSE_- PICKING	REVERSE_PICKING	ReversePicking Items
/INVMIM/BADI_REV_PICK_- POST	REVERSE_PICKING	To Post Reverse Picking
/INVMIM/BADI_TO_LABELS	TO_CONFIRM	To get Delivery Labels
/INVMIM/BADI_MAT_DOC_- HEADER	MAT_DOC_DISPLAY	To get Matdoc header
/INVMIM/BADI_MAT_DOC_- ITEMS_GET	MAT_DOC_DISPLAY	To get Matdoc item details.
/INVMIM/ENH_USR_SYSTM_- DETAILS	USER_PROFILE	To get user profile
/INVMIM/BADI_CREATE_- SHIPMT	SHIPMENT	1. Shipment posting 2. Shipment Update 3. Getting open deliveries

Table 8-1 BADIs in mInventory Application (continued)

BADI Name	Method Name	BADI Description
/INVMIM/BADI_IM_PICKING	IM_picking	1. IM Picking 2. Deliveries and Item Details
/INVMIM/BADI_STOCK_BIN_MATERIA	STOCK_overview	Method for stock overview for storage bin material
/INVMIM/BADI_HU_LBL_PRINT	HU_HEADER_DETAILS	BADI for Handling Unit Label Printing
/INVMIM/BADI_HU_LBL_PRINT	HU_ITEM_DETAILS	BADI for Handling Unit Label Printing
/INVMIM/BADI_HANDLINGUNITS	GET_HANDLINGUNITS	BADI Definition for Handling units list
/INVMIM/BADI_HUPUTAWAY	POST_HUPUTAWAY	BADI Definition for HU Putaway
/INVMIM/BADI_BLKDS-STOCK_COMPS	GET_BLOCKEDSTOCK_COMPS	BADI Definition for Blocked Stock Components
/INVMIM/GR_SUBCONTRACT	GET_ITEMS	BADI Definition for GR Subcontract
/INVMIM/GR_SUBCONTRACT[TD1]	GET_COMPONENTS	BADI Definition for GR Subcontract
/INVMIM/GR_SUBCONTRACT	POST_DOCUMENT	BADI Definition for GR Subcontract
/INVMIM/BADI_ATTACHMNT_MAT_DOC	ATTACHMNT_MAT_DOC	Attachment material Doc create
/INVMIM/BADI_GRID_PROCESS	GRID_DELIVERIES	List of Open Inbound Deliveries
/INVMIM/BADI_GRID_PROCESS	GRID_DELITEMS	List of Delivery Item Details
/INVMIM/BADI_GRID_PROCESS	GRID_POST	Posting Goods Receipt for Inbound Delivery

Table 8-1 BADIs in mInventory Application (continued)

BADI Name	Method Name	BADI Description
/INVMIM/BADI_PUTAWAY_-CONF	WHOLIST_ID	Warehouse Orders list - In-bound Delivery
/INVMIM/BADI_PUTAWAY_-CONF	WHOTASKS_ID	Warehouse Order Tasks - In-bound Delivery
/INVMIM/BADI_PUTAWAY_-CONF	WHOPOST_ID	Warehouse Order Confirmation - Posting
/INVMIM/BADI_GIOD_PROCESS	GIOD_DELIVERIES	List of Open Outbound Deliveries
/INVMIM/BADI_GIOD_PROCESS	GIOD_DELITEMS	List of Delivery Item Details
/INVMIM/BADI_GIOD_PROCESS	GIOD_POST	Posting Goods Issue for Outbound Delivery
/INVMIM/BADI_CUSTOM_-DROPDOWN	CUSTOM_DROPDOWN	Custom drop down
/INVMIM/BADI_DD_BATCHS	GET_BATCHES	List of Batches for a Material
/INVMIM/BADI_GR_PRD_ORDER	GR_PRD_DETAILS	GR Production order list and item
/INVMIM/BADI_GR_PRD_ORDER	GR_PRD_POST	GR Production order posting
/INVMIM/BADI_ATTCHM_-TO_CONF	ATTACHMENT_TO_CONF	Attachment for TO confirmation
/INVMIM/BADI_GRID_-REVERSAL	GRID_REVERSAL_POST	Method for GR Inbound Delivery reversal post
/INVMIM/BADI_GRID_-REVERSAL	GRID_REVERSAL_LIST	Method for GR Inbound Delivery reversal list
/INVMIM/BADI_GRID_-REVERSAL	GRID_REVERSAL_ITEM	Method for GR Inbound Delivery reversal items
/INVMIM/BADI_GR_-REVERSAL_COMPS	GET_GR_REVSL_POCOMPS	Method to get Components of GR Reversal

Table 8-1 BADIs in mInventory Application (continued)

BADI Name	Method Name	BADI Description
/INVMIM/BADI_PUTAWAY_IB- DEL	GET_IBDEL	List of Inbound Deliveries
/INVMIM/BADI_PUTAWAY_IB- DEL	GET_IBDELITEMS	Inbound Delivery Items
/INVMIM/BADI_PUTAWAY_IB- DEL	POST_PUTAWAY	Creating Putaway for Delivery
/INVMIM/BADI_PICKING_OB- DEL	GET_OBDEL	List of Outbound Deliveries
/INVMIM/BADI_PICKING_OB- DEL	GET_OBDELITEMS	Outbound Delivery Items
/INVMIM/BADI_PICKING_OB- DEL	POST_PICKING_OBDEL	Creating Picking for outbound delivery
/INVMIM/BADI_PUTAWAY_- CONF	WHOLIST_ID	Warehouse Orders list - In- bound Delivery
/INVMIM/BADI_PUTAWAY_- CONF	WHOTASKS_ID	Warehouse Order Tasks - In- bound Delivery
/INVMIM/BADI_PUTAWAY_- CONF	WHOPOST_ID	Warehouse Order Confirmation - Posting
/INVMIM/BADI_PCK_UN- PCK_PROCESS	GET_IBDEL	Get Inbound Deliveries
/INVMIM/BADI_PCK_UN- PCK_PROCESS	GET_IBDELITEMS	Get Inbound Delivery Items
/INVMIM/BADI_PCK_UN- PCK_PROCESS	POST_PCKUNPCK	Posting Pack and Unpack
/INVMIM/BADI_CC_PHYS_- HEADER	CC_PHYS_HEADER	Method for CC Physical Inven- tory Header
/INVMIM/BADI_CC_PHYS_- ITEM	CC_PHYS_ITEM	Method for CC Physical Inven- tory Items

Table 8-1 BADIs in mInventory Application (continued)

BADI Name	Method Name	BADI Description
/INVMIM/BADI_CC_PHYS_ITEM	CC_PHYS_POST	Method for CC physical Inventory post
/INVMIM/BADI_KITTING_S-TAGGING	• KITTING_LIST • KITTING_ITEM • KITTING_POST • SPCC_WO_LIST	• List of Work Orders • List of Work Order Items • Post Work Order • List of Work Orders - SPCC

9. Generate Secondary Indices

To improve the application performance, for tables containing large amounts of data, generate secondary indices for key tables relevant for the product.


Note:

Ensure you have ABAP Developer access to ECC system with authorization to maintain tables and set up table indexes.

Table 9-1 Secondary Indices - Table and Field

Table	Field for Secondary Index
MARA	VHART
EKBE	MATNR, WERKS
IKPF	BLDAT, GIDAT, ZSTAT, DSTAT, LSTAT
IKPF	DSTAT, LSTAT
IKPF	BLDAT, GIDAT, ZSTAT, LSTAT
IKPF	ZSTAT, DSTAT, LSTAT
IKPF	ZSTAT, LSTAT
VTTK	TPLST, SHTYP
VEKP	VHILM, PACKVORSCHR, STATUS
VTFA	VBELV, POSNV, VBTYP_V
/SCDL/DB_PROCI_I	DOCCAT, /SCWM/WHNO, PRODUCTNO
VBUK	KOSTK
MSEG	BWART, BUDAT_MKPF
EQBS	B_WERK, B_LAGER
EQUI	MATNR
LTAP	VBELN

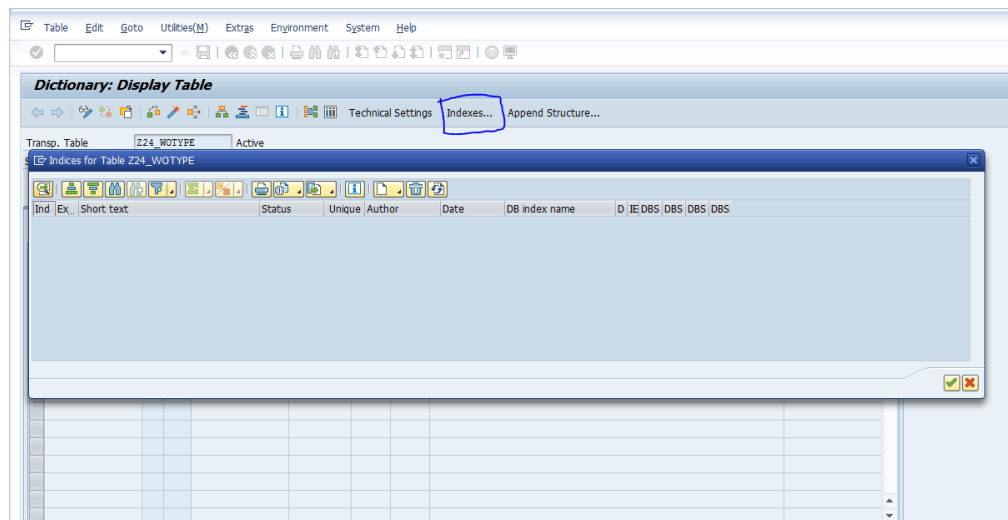
9.1. Create Secondary Index

| 9 - Generate Secondary Indices

To create secondary index:

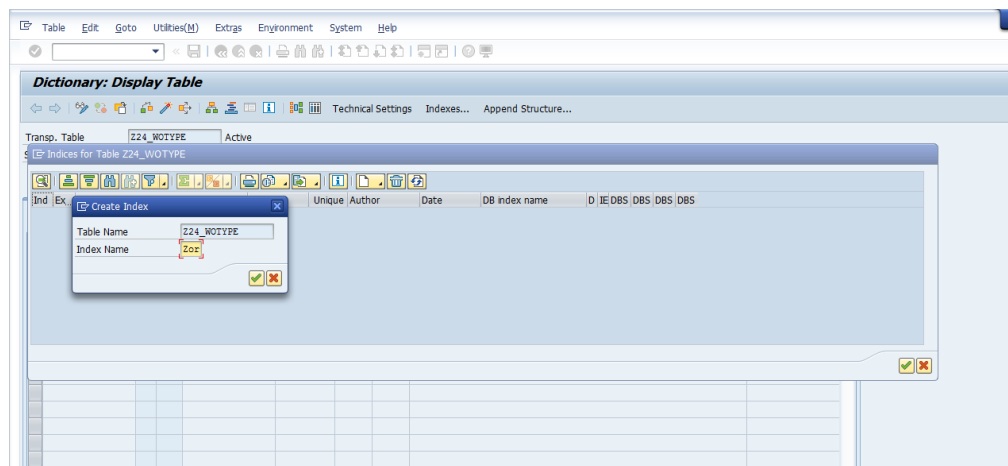
1. Log in to SAP ECC.
2. Go to transaction **SE11**.
3. Enter the Table name.
4. Click **Display** to view the table.
5. Click **Indexes**.

Figure 9-1 Display Table - Indexes



6. Click **Create** and select **Create Index**.
7. Enter the **Index Name**.

Figure 9-2 Create Index - Index Name



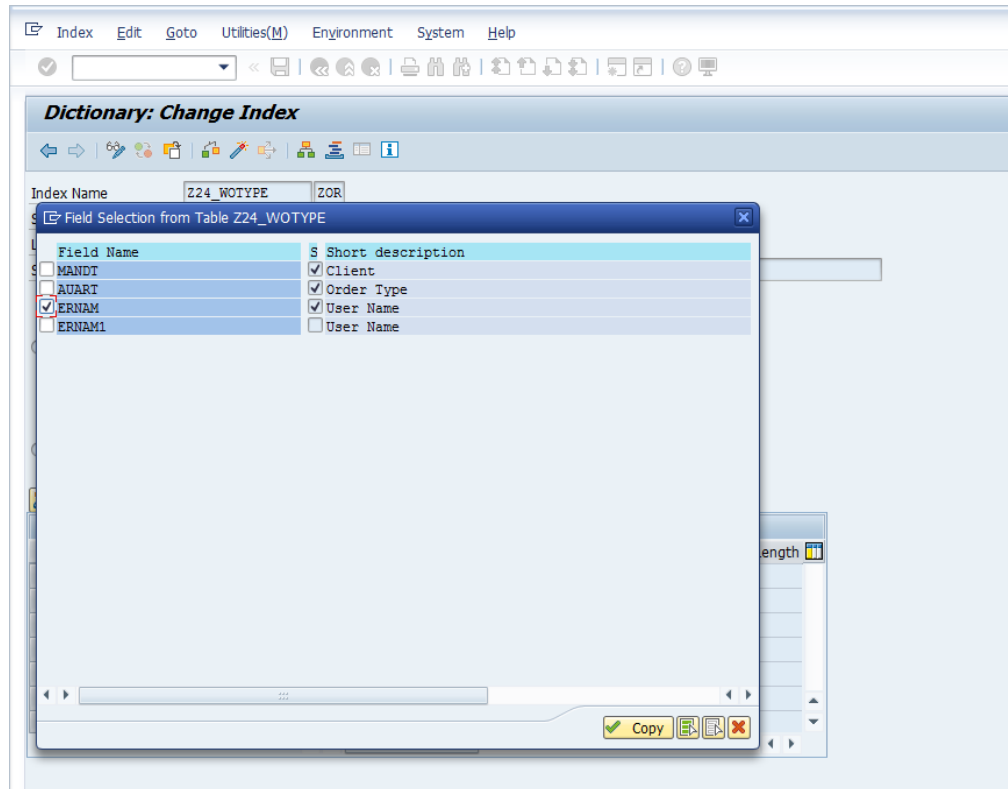
8. Enter description in the displayed fields.
9. Select **Table Fields** option to enter the Field name.

Figure 9-3 Table Fields

The screenshot shows the 'Dictionary: Change Index' dialog box in Microsoft Access. The dialog is titled 'Dictionary: Change Index' and has a light blue header. Below the header, there are several input fields and buttons. The 'Index Name' field contains 'Z24_WOTYPE' and the 'Short Description' field contains 'secondary index'. The 'Last changed' field shows '28.11.2016' and the 'Original language' is set to 'EN English'. The 'Status' field is set to 'New' and the 'Package' is 'TMP'. A message at the bottom of the dialog states 'Index does not exist in database system MSSQL'. There are two main sections for index type: 'Non-unique index' and 'Unique Index (database Index required)'. The 'Non-unique index' section has three radio buttons: 'Index on all database systems' (selected), 'For selected database systems', and 'No database index'. The 'Unique Index' section is currently unselected. At the bottom, there is a 'Table Fields' list showing a table with columns 'Field name', 'Short Description', 'DT...', and 'Length'. The 'Field name' column is highlighted in yellow.

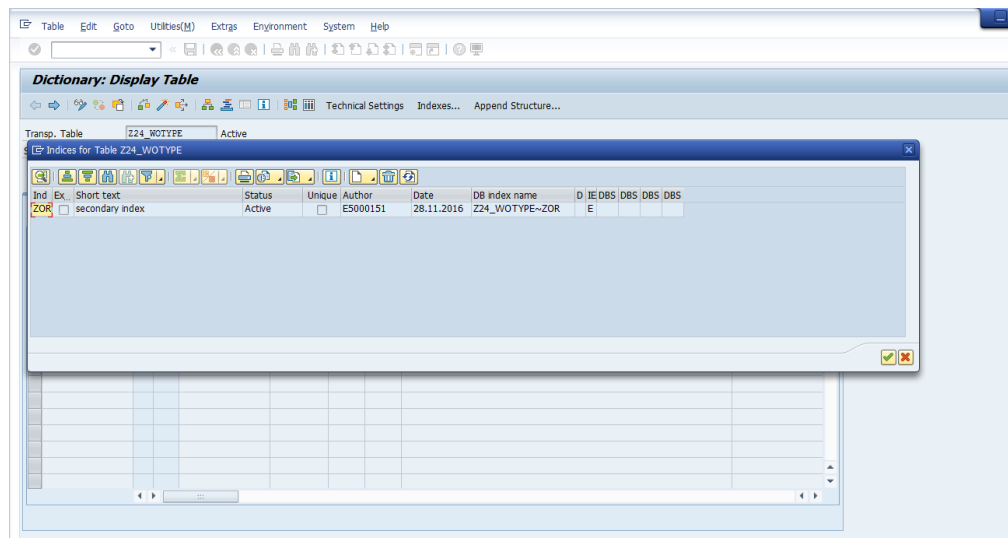
10. Select the required field for secondary index and click **Copy**.

Figure 9-4 Select Table Fields



11. Click **Activate**.

Figure 9-5 Activate Index



10. Download App and Install

Download the latest version of mInventory app from Apple App Store, Google Play or the Microsoft Store and install it on your devices.